Statistics
1987

A statistical supplement to the Annual Report of the Minister of Natural Resources for the year ending March 31, 1987.

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Ontario
Ministry of Natural Resources
Hon. Vincent G. Kerrio
Minister

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Statistical Reports

Prepared by Branches

2 Ministry of Natural Resources
3 Office of Deputy Minister
4 Ministry Regions and Districts

7 Forest Resources Group
7 Forest Resources Branch
8 Ontario Tree Improvement and Forest Biomass Institute
22 Timber Sales Branch

35 Outdoor Recreation Group
35 Wildlife Branch
45 Parks and Recreational Areas Branch
61 Fisheries Branch
78 Enforcement Statistics

79 Lands and Waters Group
79 Land Management Branch
87 Surveys, Mapping and Remote Sensing Branch
92 Office of Indian Resource Policy
93 Conservation Authorities and Water Management Branch

97 Aviation and Fire Management Centre

107 Administration Division

108 Communications Services Branch
109 Human Resources Branch
113 Legal Services Branch
122 Finance and Administration Group
123 Systems Services Branch
124 Internal Audit Services Branch
125 Financial Resources Branch
131 Administrative Services Branch

133 REGIONS AND DISTRICTS
133 Northwestern Region
135 North Central Region
137 Northern Region
140 Northeastern Region
143 Algonquin Region
146 Eastern Region
148 Central Region
150 Southwestern Region

MINISTRY OF NATURAL RESOURCES

Main Office in Whitney Block, Parliament Buildings, Toronto, Ontario M7A 1W3

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Environmental Planner (Parks)	Randy Pickering	W-6440....5-2899
Environmental Planner	Al Parkinson	W-6440....5-2899
Freedom of Information Co-ordinator	Don Ross	W-6440....5-6371

MINISTRY REGIONS AND DISTRICTS

Areas in Square Kilometres *

NORTHWESTERN REGION		
Dryden	11,961	
Fort Frances	10,847	
Ignace	11,463	
Kenora	14,188	
Red Lake	64,105	
Sioux Lookout	112,097	224,661
Pt. Rainy Lake	1,222	
Pt. Lake of the Woods	2,427	3,649
Total, Region		228,310
NORTHERN REGION		
Chapleau	23,602	
Cochrane	30,715	
Gogama	7,752	
Hearst	25,245	
Kapuskasing	21,225	
Kirkland Lake	13,312	
Moosonee	215,741	
Timmins	7,899	345,491
Pt. Lake Abitibi	790	790
Total, Region		346,281
ALGONQUIN REGION		
Algonquin Park	9,376	
Bancroft	4,239	
Bracebridge	6,454	
Minden	4,745	
Parry Sound	7,187	
Pembroke	7,306	39,307
Pt. Georgian Bay	3,875	3,875
Total, Region		43,182

SOUTHWESTERN REGION		
Aylmer	6,731	
Chatham	7,389	
Owen Sound	7,817	
Simcoe	2,818	
Wingham	6,889	31,644
Pt. Lake Huron and Lake Erie	30,950	
Pt. Lake St. Clair	673	31,624
Total, Region		62,268
NORTH CENTRAL REGION		
Atikokan	11,321	
Geraldton	112,784	
Nipigon	25,574	
Terrace Bay	12,673	
Thunder Bay	28,451	190,803
Lake Nipigon	5,006	
Pt. Lake Superior	16,017	21,023
Total, Region		211,826
NORTHEASTERN REGION		
Blind River	9,516	
Espanola	9,523	
North Bay	10,668	
Sault Ste. Marie	7,912	
Sudbury	12,725	
Temagami	6,856	
Wawa	22,535	79,735
Pt. Lake Huron and Lake Superior	25,298	
Lake Nipissing	816	
Lake Wahnapitae	145	26,259
Total, Region		105,994

EASTERN REGION		
Brockville	3,496	
Carleton Place	6,277	
Cornwall	5,594	
Napanee	6,537	
Tweed	6,605	28,509
Pt. Lake Ontario	4,333	4,333
Total, Region		32,842
CENTRAL REGION		
Cambridge	7,141	
Huronia	6,550	
Lindsay	6,856	
Maple	4,812	
Niagara	2,670	28,029
Pt. Lake Ontario and Lake Erie	8,109	
Lake Simcoe	741	8,850
Total, Region		36,879
TOTALS		
47 Districts		968,179
12 Lakes		100,403
Area of Ontario		1,068,582

* August 19,1980
Surveys, Mapping and Remote Sensing Branch

FOREST RESOURCES GROUP

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S. S. Marie Relocation Co-ordinator	Trevor Isherwood	W-3622...5-3040
Chief Forest Economist	Dr. Fern Miller	W-3627...5-2785

FOREST RESOURCES BRANCH

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Project Forester	Dave Gordon	W-3644...5-0378
Tree Seed & Forest Genetics Unit		
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Co-ordinator, Technology Development	vacant	W-3631...5-2785
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Silviculture Specialist	George Stroempl	832-7291
Manager, Midhurst Research Unit	Bob Hutchison..... Midhurst	(705) 737-5510

USE OF NURSERY STOCK IN YEAR ENDING MARCH 31, 1987

Use	Bare Root Ministry	Container Ministry	Container Contract	Total
Crown Land and Agreement Forest	47,228,011	7,646,953	77,735,254	132,610,218
W.I.A.	8,114,765	-	-	8,114,765
Other Private Land	13,367,345	-	-	13,367,345
Education or Science	597,472	-	-	597,472
Miscellaneous	-	-	-	-
TOTAL	69,307,593	7,646,953	77,735,254	154,689,800

FOREST TREES PRODUCED AND PURCHASED BY THE MINISTRY

Year	Bare Root Ministry	Container Ministry	Container Contract	Total
1975	59,794,450	3,148,406	-	62,942,856
1976	50,944,733	5,346,866	-	56,291,599
1977	45,981,122	4,291,764	-	50,272,886
1978	48,291,842	5,461,375	-	53,753,217
1979	52,928,125	5,487,210	-	58,415,335
1980	61,453,461	7,944,817	-	69,398,278
1981	65,360,243	10,496,839	-	75,857,082
1982	69,448,150	13,950,538	-	83,398,688
1983	63,660,427	10,999,088	5,466,142	80,125,657
1984	67,472,981	14,743,138	25,256,448	107,472,567
1985	52,183,189	13,964,217	62,084,413	128,231,819
1986	70,342,952	8,750,363	70,483,959	149,577,274
1987	69,307,593	7,646,953	77,735,254	154,689,800

PLANTING STOCK DISTRIBUTION

Bare Root Nursery Stock	
conifers	67,396,415
hardwoods	1,911,178
Total	69,307,593
Container Stock (conifers)	
ministry facilities	7,646,953
contract facilities	77,735,254
Total	85,382,207
GRAND TOTAL	154,689,800

TREE PRODUCTION BY SPECIES

Number of trees in years ending March 31

Species	1983	1984	1985	1986	1987
White Spruce	16,396,972	15,037,822	11,302,704	17,113,719	13,934,765
Black Spruce	18,847,802	35,772,366	48,298,559	57,819,505	63,692,384
Red Pine	6,707,858	7,125,973	4,771,746	6,087,527	5,060,898
Jack Pine	21,744,405	33,456,807	45,991,911	50,190,145	53,698,739
White Pine	7,595,781	7,575,437	9,809,085	9,119,240	9,291,400
White Cedar	2,984,424	2,355,744	1,788,336	1,253,611	2,965,399
Scotch Pine	906,075	1,874,825	2,346,725	2,831,925	2,659,254
Silver Maple	502,402	413,503	594,032	329,217	166,912
Norway Spruce	1,021,589	873,810	487,910	1,515,633	879,432
Carolina Poplar	404,549	404,128	302,230	463,823	371,440
Black Walnut	333,125	330,585	319,425	330,650	193,327
White Ash	57,218	100,099	71,706	382,825	25,099
European Larch	164,918	123,540	59,925	78,170	347,310
Red Oak	178,717	179,827	42,858	189,119	283,343
Black Locust	217,950	158,875	67,640	197,575	147,850
Tamarack	434,983	163,826	260,560	136,673	165,675
Hemlock	14,725	17,264	23,600	25	-
Hybrid Poplar					
Rooted	53,042	52,504	26,730	20,036	20,186
Unrooted	1,079,038	954,520	935,081	1,077,430	549,020
Japanese Larch	129,350	162,350	102,350	31,250	59,555
Other Species	350,734	338,762	628,706	409,176	177,812
TOTALS	80,125,657	107,472,567	128,231,819	149,577,274	154,689,800

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS

in year ending March 31

County, District or Regional Municipality	1983	1984	1985	1986	1987
Algoma	251,205	373,630	255,078	210,115	574,000
Brant	122,125	169,600	144,345	191,400	170,525
Bruce	138,851	193,992	176,485	225,790	209,000
Cochrane	536,825	792,140	257,925	23,625	2,750
Dufferin	307,250	368,495	390,450	563,555	496,750
Dundas	73,972	121,360	75,901	295,890	158,090
Durham*	487,200	531,925	489,175	599,144	462,262
Elgin	189,162	197,437	216,217	241,585	257,275
Essex	199,307	225,781	138,837	268,897	285,050
Frontenac	112,800	115,110	152,325	230,250	210,130
Glengarry	136,350	74,800	129,550	141,500	120,630
Grey	487,980	568,150	529,653	724,550	476,711
Haldimand-Norfolk	520,725	468,362	488,959	643,780	630,559
Haliburton	26,800	23,700	36,850	36,000	25,625
Halton	105,385	182,883	126,515	142,000	138,850
Hastings	178,422	360,897	227,013	357,350	262,223
Huron	147,279	244,654	274,237	164,594	119,045
Kenora	519,125	529,050	264,375	310,775	60,750
Kent	320,655	270,300	157,050	185,550	254,450
Lambton	174,693	150,309	94,571	261,774	271,850
Lanark	155,000	158,850	143,700	167,550	144,120
Leeds & Grenville	249,795	328,626	266,150	275,777	277,610
Lennox & Addington	154,095	109,600	69,700	187,950	130,129
Manitoulin	16,350	20,125	10,600	15,075	24,435
Middlesex	440,800	480,350	329,960	557,295	476,415
Muskoka	57,845	56,459	154,650	121,050	54,050
Niagara	211,336	310,746	195,152	367,221	257,622
Nipissing	75,455	293,100	187,757	292,637	169,200
Northumberland*	423,148	387,473	266,280	321,995	342,351
Ontario*	1,700	-	570	-	-
Ottawa-Carleton	160,530	162,805	197,155	262,665	324,750
Oxford	175,996	150,975	136,680	258,540	268,650
Parry Sound	50,625	155,225	64,035	112,200	71,210
Peel	188,300	192,635	292,235	180,070	106,289
Perth	169,190	114,115	93,650	155,100	144,595

County, District or Regional Municipality	1983	1984	1985	1986	1987
Peterborough	148,111	217,215	174,562	233,655	192,700
Prescott	250,400	131,150	120,700	100,235	231,750
Prince Edward	72,100	166,150	173,700	185,600	84,227
Rainy River	13,650	67,940	382,900	186,467	82,025
Renfrew	282,925	595,720	207,750	373,420	309,750
Russell	128,150	133,855	144,732	221,223	330,780
Simcoe	1,006,995	1,096,576	1,061,074	1,300,620	1,097,245
Stormont	60,500	93,095	182,290	67,700	202,760
Sudbury	590,029	490,255	358,807	512,853	271,950
Thunder Bay	62,975	206,150	241,575	230,520	403,055
Timiskaming	23,400	154,950	43,850	30,125	305,650
Victoria	204,725	251,689	200,502	260,079	187,255
Waterloo	86,575	190,075	139,425	111,521	106,955
Wellington	798,607	675,938	938,051	847,381	796,225
Wentworth	299,198	350,579	244,825	266,840	281,961
York	438,280	478,705	471,518	504,410	504,956
Durham Regional Municipality	-	400	-	-	150

TOTALS

1983	12,032,896**
1984	14,184,101**
1985	12,120,046**
1986	14,525,898**
1987	13,367,345**

* These figures do not reflect the formation of the Regional Municipality of Durham

** Excluding W.I.A.

FOREST AREAS MANAGED BY THE MINISTER

in hectares at March 31, 1987

Agreement Holders	Term of Agreement	Released 1986-87	Added 1986-87	Total
GOVERNMENT OF CANADA				
National Capital Commission	Apr. 1961 - Mar. 2011	-	-	1,704.13
21 CONSERVATION AUTHORITIES				
Ausable Bayfield	Jan. 1983 - Mar. 2004			1,905.26
Cataraqui Region	Apr. 1971 - Mar. 1996			342.31
Catfish Creek	Apr. 1962 - Mar. 2002			254.55
Crowe Valley	Jan. 1963 - Dec. 2003		80.94	80.94
*Ganaraska Region	Apr. 1977 - Mar. 2002	0.78	746.74	4,242.14
Grand River	Apr. 1961 - Mar. 2000			1,657.72
Grey Sauble	Jan. 1985 - Mar. 2005			4,495.55
Lakehead Region	May 1958 - Apr. 2008			670.85
Long Point Region	Apr. 1982 - Mar. 2000		36.70	2,648.25
Lower Thames Valley	Apr. 1984 - Mar. 2004			121.41
Maitland Valley	Apr. 1955 - Mar. 2005			343.58
Metropolitan Toronto & Region	Apr. 1975 - Mar. 2000			785.38
Moira River	Apr. 1978 - Mar. 2000			6,766.66
Napanee Region	Oct. 1954 - Oct. 2004			2,732.44
Niagara Peninsula	June 1963 - Mar. 2003			95.52
Otonabee Region	Apr. 1976 - Mar. 2002		32.38	1,497.42
Raisin Region	Apr. 1971 - Mar. 2001			137.59
Saugeen Valley	June 1985 - May 2005		60.70	5,346.09
South Nation River	Apr. 1975 - Mar. 2000		70.81	3,173.99
St. Clair Region	May 1985 - Apr. 2005			60.70
Upper Thames River	Apr. 1961 - Mar. 2001			1,363.29
Sub-total		0.78	1,028.27	38,721.64

* Revised acreage total

Agreement Holders	Term of Agreement	Released 1986-87	Added 1986-87	Total
8 TOWNSHIPS				
Charlottenburgh	Apr. 1975 - Mar. 1995			77.70
Cramahe	Apr. 1963 - Mar. 2003			65.56
Cumberland	July 1980 - June 2030			371.68
Darlington	Apr. 1971 - Mar. 1991			56.66
Machar	Sept 1963 - Aug. 1993			36.42
Mosa	Apr. 1963 - Mar. 2003			58.27
West Carleton	Apr. 1983 - Mar. 2003			174.34
Williamsburg	Apr. 1962 - Mar. 2002			161.87
Sub-total				1,002.50

Agreement Holder	Term of Agreement	Released 1986-87	Added 1986-87	Total
19 COUNTIES				
Brant	Apr. 1960 - Mar. 2000			40.19
Bruce	Apr. 1962 - Mar. 2002			6,106.03
Dufferin	Apr. 1971 - Mar. 1991			1,019.21
Grey	Apr. 1960 - Mar. 2000			3,481.19
Huron	Apr. 1960 - Mar. 2000			662.30
Kent	Apr. 1960 - Mar. 2000			30.51
Lanark	Apr. 1980 - Mar. 2000		199.11	4,265.92
Leeds & Grenville	Apr. 1975 - Mar. 1995			5,802.18
Lennox & Addington	Apr. 1960 - Mar. 2000			473.04
Middlesex	Apr. 1960 - Mar. 2000			980.96
Northumberland	Apr. 1981 - Mar. 2001			2,603.98
Oxford	Apr. 1961 - Mar. 2000			342.06
Peterborough	Apr. 1981 - Mar. 2001			80.94
Prescott & Russell	Apr. 1983 - Mar. 2003	226.62	61.70	10,436.31
* Renfrew	Apr. 1960 - Mar. 2000	62.77	.52	6,435.31
Simcoe	Apr. 1960 - Mar. 2000		20.23	10,650.60
Stormont, Dundas & Glengarry	Apr. 1975 - Mar. 2000			3,233.63
Victoria	Nov. 1976 - Mar. 2000			3,794.31
Wellington	Apr. 1963 - Mar. 2003			521.44
Sub-total		289.39	281.56	60,960.11

* Reconciliation adjustment

Agreement Holders	Term of Agreement	Released 1986-87	Added 1986-87	Total
5 REGIONAL MUNICIPALITIES				
Durham	May 1980 - Apr. 2000	1.23		589.82
Halton	Apr. 1976 - Mar. 2000			632.14
Ottawa-Carleton	Apr. 1974 - Mar. 2004			5,621.70
Waterloo	Apr. 1976 - Mar. 2001		8.90	313.44
York	Apr. 1977 - Mar. 2027			2,030.48
Sub-Total		1.23	8.90	9,187.58
INDUSTRY				
Domtar Inc.	Apr. 1974 - Mar. 1999		174.21	1,596.52

TOTAL 55 Managed Forest Areas

Added 1986-87	1,492.94
Released 1986-87	291.40
Total	113,172.48

SILVICULTURAL OPERATIONS

Classification of Cutover Forest Land
for year ended March 31, 1986
Area in hectares

	Crown Land	FMAs	Total Crown Land	Agreement Forests	W.I.A.	Other Patent Lands	Total
Harvest Cut, even-aged management	100,785	87,823	188,608	138	-	3,522	192,268
Harvest Cut, uneven-aged management	11,591	-	11,591	194	1,992	17,472	31,249
TOTAL	112,376	87,823	200,199	332	1,992	20,994	223,517

Area Cut on
Crown and Patent Land
in years ending March 31
area in hectares

	1982	1983	1984	1985	1986
Harvest Cut, even-aged management	200,337	153,086	187,319	185,172	192,268
Harvest Cut, uneven-aged management	22,584	30,122	30,487	32,812	31,249
Total	223,191	183,208	217,806	217,984	223,517

SUMMARY OF SILVICULTURAL OPERATIONS

Areas in Hectares in year ending March 31, 1987

	Crown Land	Forest Management Agreements	Total Crown Land
REGENERATION			
Planting Bare Root Stock	10,216	12,404	22,620
Planting Container Stock	16,416	23,469	39,885
Planting Hybrid Poplar Cuttings	48	-	48
Seeding	6,953	13,972	20,925
Scarification	148	299	447
Strip Cutting	465	567	1,032
Seed Tree Cutting	1,579	788	2,367
Shelterwood Cutting	8,717	-	8,717
Clear Cutting	6,617	8,734	15,351
Total	51,159	60,233	111,392
RE-TREATMENT			
Re-treatment area included in planting and total regeneration figures above	2,297	1,467	3,764
TENDING			
Hand Cleaning	10,259	401	10,660
Herbicide Spraying	20,644	38,635	59,279
Thinning & Improvement	9,041	363	9,404
Pruning	1,017	-	1,017
Fertilization Drainage	9	-	9
Total	40,970	39,399	80,369
SITE PREPARATION	46,429	60,643	107,072
UNEVEN-AGED MANAGEMENT	13,202	-	13,202
TOTAL AREA TREATED	151,760	160,275	312,035

Agreement Forests	W.I.A.	Sub-total	Other Patent Lands	Total
193	4,858	27,671	5,581	33,252
50	126	40,061	106	40,167
255	4	307	131	438
-	-	20,925	-	20,925
-	-	447	-	447
-	9	1,041	-	1,041
-	-	2,367	-	2,367
23	-	8,740	642	9,382
10	32	15,393	195	15,588
531	5,029	116,952	6,655	123,607
93	1,476	5,333	49	5,382
386	588	11,634	54	11,688
373	2,687	62,339	172	62,511
1,139	2,061	12,604	2,316	14,920
331	268	1,616	19	1,635
161	-	170	124	294
2,390	5,604	88,363	2,685	91,048
634	1,827	109,533	172	109,705
154	953	14,309	8,052	22,361
3,709	13,413	329,157	17,564	346,721

CROWN LANDS TREATED

Areas in hectares in years ending March 31

Silvicultural Operations	1983	1984	1985	1986	1987
REGENERATION					
Planting Bare Root Stock	21,272	21,286	15,527	22,725	22,620
Planting Container Stock	7,305	17,889	36,963	38,521	39,885
Planting Hybrid Poplar Cuttings	19	286	100	358	48
Seeding	29,857	21,180	15,908	18,683	20,925
Scarification	817	1,110	879	1,050	447
Strip Cutting	1,445	718	1,145	1,641	1,032
Seed Tree Cutting	3,215	4,204	2,489	2,361	2,367
Shelterwood Cutting	9,431	10,308	9,232	8,771	8,717
Clear Cutting	7,552	14,121	8,960	9,437	15,351
Total	80,913	91,102	91,203	103,547	111,392
RE-TREATMENT	2,353	3,483	3,949	4,462	3,764
TENDING					
Hand Cleaning	5,844	6,282	7,696	9,384	10,660
Herbicide Spraying	26,165	21,125	42,023	57,566	59,279
Thinning & Improvement	6,698	6,908	6,591	8,845	9,404
Pruning	756	751	596	934	1,017
Fertilization Drainage	87	207	58	65	9
Total	39,550	35,273	56,964	76,794	80,369
SITE PREPARATION	67,583	74,064	83,808	94,687	107,072
MARKING	37,229	42,301	-	-	-
UNEVEN-AGED MANAGEMENT	-	-	11,769	13,529	13,202
TOTAL AREA TREATED	225,275	242,740	243,744	288,557	312,035

TREE SEED PROGRAM 1986-87

SEED COLLECTION

Seed Crop By Species	Volume Collected (hl)
Jack Pine	8,794.73
Black Spruce	1,548.93
White Pine	641.87
Red Pine	179.08
White Cedar	52.23
Other species	33.41
Total	11,250.25

1986 SEED DISTRIBUTION

Direct seeding	1,248,004,493
Nursery stock production	457,566,061
Container stock production	303,889,971
Research and miscellaneous	32,078,377
Disposal of low viable seed	94,252,877
Tree seed sale	29,884,754
Total viable seed	2,165,676,533

SEED IN STORAGE AS OF MARCH 31, 1987

	Dryden	Angus	Total
No. of viable seed (billion)	3.486	11.553	15.039
No. of different species	2	37	37
Total weight (kg)	12,910	38,088	50,998
Total value (million)	2.663	10.005	12.668

TREE SEED AREAS

Areas in hectares

Species	Seed Collection Areas	Seed Production Areas	Seed Orchards (areas planted to date)
Jack Pine	13,980.50	1,192.80	190.00
Black Spruce	1,002.10	180.40	218.40
White Pine	558.00	598.50	123.10
White Spruce	118.80	202.00	151.90
Others	704.90	621.70	20.20
Total	16,364.30	2,795.40	703.60

1986-7 FORESTRY EXTENSION ACTIVITIES

Field inspections	9,963
Management programs prepared	2,405
Volume of timber marked - sawlogs (cubic metres)	130,545
- pulpwood (cubic metres)	23,651
- fuelwood (cubic metres)	196,846
Forestry education activities	1,442
Total trees planted - private orders	13,367,345

THE WOODLANDS IMPROVEMENT ACT 1986-87

	No. of Agreements	Area in Hectares
New W.I.A. Agreements Activated in 1986-87	530	6,570
Total W.I.A. Agreements in effect to March 31, 1987	9,954	139,371
New Advisory Service Agreements Activated in 1986-87	68	959
Advisory Service Agreements in effect to March 31, 1987	352	6,050

Total Trees Planted - W.I.A.: 8,114,765

FOREST RESOURCES GROUP

TIMBER SALES BRANCH

Room W-3610, Main Office Telephone (416) 965-2731 or 963-2396

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Special Projects Co-ordinator	Ron Alton	W-3610.....3-2396
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Manager	Ken Cleary	W-3611...3-2396
Timber Licensing Supervisor	Rudy Beny	W-3610...3-2396
Senior Licensing Clerk	Frank Parris	W-3601...5-2731
Industrial Liaison Officer	Bill Wardle	W-3625...5-2785
Forest Economist	Al Nausedas	W-3601...5-2731
Forest Industry Statistician	Orlando Menezes	W-3601...5-2731
MANAGEMENT PLANS SECTION		
Manager	Tom Tworzyanski	W-3522...5-7631
Mensuration Unit		
Supervisor	Jocko Mervart	W-3526...5-7631
Mensurationist	vacant	Rm. 168..5-9754 880 Bay St.
Forest Ecologist	vacant	Rm. 168..5-9755 880 Bay St.
Biomathematician	vacant	Rm. 168..5-9756 880 Bay St.
Methods and Procedures Analyst	vacant	Rm. 168..5-9756 880 Bay St.
Planning Unit		
Planning Analyst	Henk van Bers	W-3523...5-7631
A/FMA Co-ordinator	John Kus	W-3525...5-7631
Asst. Planning Analyst	John Kus	W-3524...5-7631
Mgmt. Planning Specialist	Bob Fleet	W-3527...5-7631
FOREST MANAGEMENT INFORMATION SECTION		
Manager	John Osborn	W-3542...5-6914
Forest Resources Inventory Unit		
Operations Supervisor	David Trafford	W-3543...5-6914
Photo Interpretation Supervisor	Arthur Manley	W-3546...5-6914
Project Leader, Compilation	Janice Ferguson	W-3541...5-6914
Spec. Asst. For. Specialist	Mike Chaudhry	W-3545...5-6914
Proj. Leader, Map Revision	Douglas Bennett	W-3540...5-6914
FOREST GEOGRAPHIC INFORMATION MANAGEMENT UNIT		
Supervisor	Joseph Kapron	M1B-43...3-0882
Sr. Systems Dev. Officer	Alex Lee	M1B-43...3-0882
GIS Co-ordinator	Rob Parry	M1B-43...3-0882
GIS Database Administrator	Anne Trudell	M1B-43...3-0882

WOOD MEASUREMENT SECTION

747 Queen St. E., Box 310, Sault Ste. Marie P6A 5L8 Telephone (705) 942-1873

Manager	Bob Schroeder	(705) 942-1873
Provincial Wood Measurement Training Officer	John Bingley	(705) 942-1873
Tbr. Scaling & Billing Co-ord.	Ross Johnson	(705) 942-1873
Tbr. Scaling & Billing Analyst	Paul Woods	(705) 942-1873

MANAGEMENT UNITS

Areas in square kilometres at March 31

Year	CROWN LAND FORESTS						CROWN LAND FORESTS		AGREEMENT FORESTS	
	Crown		Company		FMA		Total			
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
1983	77	333,781	13	139,120	13	70,218	103	543,119	58	1,109
1984	75	321,122	12	126,461	17	88,971	104	536,554	58	1,108
1985	74	330,575	10	104,577	22	113,631	106	548,783	58	1,108
1986	77	336,864	14	70,909	26	141,030	117	548,803	57	1,105
1987	69	298,554	14	72,189	27	150,626	111	533,432	56	1,104

STATUS OF FOREST MANAGEMENT PLANS, MARCH 31, 1987
Areas in square kilometres

	Forest Management Units						Agreement Forests	
	Crown		Company		FMA			
	No.	Area	No.	Area	No.	Area	No.	Area
Approved Mgmt. Plans	44	140,618	9	52,933	21	105,950	42	805
Forest Mgmt. Plans submitted for review and approval	2	6,576	2	11,651	3	28,824	5	63
Forest Mgmt. Plans being prepared	13	45,013	3	7,605	4	27,915	9	236
Plans are not req'd (Inactive)	10	106,347	-	-	-	-	-	-
Unalienated Crown Lands	-	3,804	-	-	-	-	-	-
Total	69	302,358	14	72,189	28	162,689	56	1,104

TIMBER LICENCES under the Crown Timber Act
Areas in square kilometres at March 31

Year	Under Section 2 (Sale by Tender) No.	Area	Under Section 3 (Order-in-Council) No.	Area	Under Section 5 (Salvage) No.	Area
1983	26	32.3	415	178,967.1	52	545.6
1984	34	37.4	442	159,133.5	29	407.9
1985	34	27.0	456	141,368.3	27	169.6
1986	35	27.6	443	111,578.5	32	389.0
1987	26	36.0	405	88,250.1	19	300.1
Issued 1986/87	19	28.3	192	10,549.4	15	51.0

Under Section 6 (For. Mgmt. Agr.) No.	Area	Total Licences No.	Area
13	79,627.8	506	259,172.8
17	88,998.9	522	248,577.7
22	113,122.2	539	254,687.1
26	145,288.6	536	256,384.7
27	150,625.9	477	239,212.1
1	5,337.3	226	10,628.7

Note: Number of District Cutting Licences/Permits issued during 1986/87 was 2,259; and timber supply agreements signed under Section 4 during 1986/87 was 1 bringing the current total to 23.

MILL LICENCES

Type of Mill	1982	1983	1984	1985	1986
Saw Mills, 8-hour capacity					
Lumber....over 50 M fbm	59	58	55	53	53
Lumber....10 M to 50 M fbm	87	88	72	69	74
Lumber....under 10 M fbm	593	613	599	610	600
Misc. Sawn Products	68	44	45	30	35
Saw Mills, Total	807	803	771	762	762
Veneer and Panelboard Mills	26	25	28	27	26
Pulp Mills	21	20	20	20	20
TOTAL	854	848	819	809	808

TIMBER HARVESTED ON CROWN LANDS BY SPECIES

In cubic metres and $000s in years ending March 31

Note: Figures for 1987 not available at time of publication.

Species	1982	1983	1984	1985	1986
SOFTWOOD					
Balsam	718,975	586,883	638,428	723,544	809,984
Cedar	13,659	17,195	18,667	23,478	16,741
Hemlock	63,504	47,361	65,111	79,230	71,554
Jack Pine	5,362,713	4,135,200	5,182,626	5,618,274	5,578,024
Red Pine	183,663	168,759	193,575	197,854	400,155
White Pine	529,159	563,024	754,044	728,257	654,854
Spruce	7,724,772	6,707,133	8,423,622	8,987,681	8,407,276
Tamarack	2,330	1,168	2,740	1,311	3,725
Mixed	18,503	30,599	20,691	14,236	18,238
HARDWOOD					
Ash	2,021	1,558	1,516	3,770	1,956
Basswood	11,042	7,769	8,544	27,777	12,099
Beech	19,581	18,377	17,999	32,996	39,951
White Birch	77,523	93,562	83,668	180,990	253,340
Yellow Birch	105,982	78,058	94,616	106,382	109,828
Butternut	16	36	21	38	43
Cherry	1,373	1,584	2,046	2,269	1,830
Elm	39	165	35	19	18
Ironwood	1	1	2	1	1
Maple	219,345	164,317	204,384	447,911	364,855
Oak	11,389	10,415	14,190	13,960	23,937
Poplar	1,800,431	1,505,038	2,243,088	2,641,390	2,768,308
Mixed	647,366	648,316	743,663	852,633	257,607
TOTALS					
Softwoods	14,617,179	12,257,322	15,299,504	16,373,865	15,764,214
Hardwoods	2,896,121	2,529,198	3,413,771	4,310,135	3,833,773
Total	17,513,300	14,786,521	18,713,275	20,684,000	19,597,987
Value	$42,453	$35,037	$47,151	$60,965	$60,413

VOLUME AND VALUE OF TIMBER CUT FROM CROWN LANDS

in year ending March 31, 1986

Note: Figures for 1987 not available at time of publication.

Tree Species	Volume in Cubic Metres	Bonus $	Crown Dues $	Stumpage Value $
SOFTWOODS				
White Pine	654,854.339	711,904.47	2,156,301.56	2,868,206.03
Red Pine	203,817.664	186,029.30	626,252.16	812,281.46
Jack Pine	5,578,023.831	602,781.22	18,969,461.04	19,572,242.26
White Spruce	145,107.215	3,764.98	361,584.33	365,349.31
Black Spruce	660,987.408	29,096.17	2,446,672.08	2,475,768.25
Spruce, Mixed	7,601,181.691	825,842.29	26,129,592.00	26,955,434.29
Hemlock	71,554.181	19,455.40	221,324.70	240,780.10
Balsam	809,984.281	64,591.19	2,276,451.32	2,341,042.51
Cedar	16,741.176	3,584.34	49,887.43	53,471.77
Tamarack	3,724.591	175.67	11,184.16	11,359.83
Conifers, Mixed	18,237.669	5,591.82	12,561.73	18,153.55
Total Softwoods	15,764,214.046	2,452,816.85	53,261,272.51	55,714,089.36
HARDWOODS				
Maple	364,854.628	242,215.75	811,524.20	1,053,739.95
Yellow Birch	109,828.010	184,484.71	287,743.93	472,228.64
White Birch	253,339.649	114,228.84	179,483.68	293,712.52
Oak	23,936.682	30,074.90	46,772.01	76,846.91
Beech	39,950.573	12,755.08	96,894.57	109,649.65
Ash	1,956.289	2,411.53	4,735.80	7,147.33
Elm	17.695	36.07	43.75	79.82
Basswood	12,099.403	14,439.97	28,840.81	43,280.78
Butternut	43.456	65.54	95.67	161.21
Cherry	187.351	552.76	1,410.13	1,962.89
Poplar	2,768,308.104	293,651.31	2,067,262.42	2,360,913.73
Hardwoods, Mixed	257,608.631	102,824.31	171,035.58	273,859.89
Total Hardwoods	3,833,773.202	998,473.32	3,700,005.06	4,698,478.38
GRAND TOTAL	19,597,987.248	3,451,290.17	56,961,277.57	60,412,567.74

TIMBER HARVESTED ON CROWN LANDS BY METHOD OF MEASUREMENT

in cubic metres and $000s in years ending March 31

Note: Figures for 1987 not available at time of publication.

Year	Stacked		Cubic	
	Softwood	Hardwood	Softwood	Hardwood
1980	4,698,427	770,447	6,559,707	715,644
1981	4,380,421	723,064	6,339,098	513,585
1982	3,889,894	558,760	5,070,186	611,389
1983	2,974,245	650,425	4,313,754	525,436
1984	3,192,571	499,699	5,354,306	903,933
1985	3,068,026	648,690	5,220,857	1,396,957
1986	2,758,354	613,599	4,858,816	992,904

Year	Foot Board Measure			Mass		Total	Stumpage Value
	Grade 1	Grade 2	Grade 3	Softwood	Hardwood		
1980	131,394	207,162	109,406	6,213,058		19,405,245	$46,184
1981	90,064	144,986	70,785	6,475,267		18,737,271	$43,727
1982	107,244	181,592	81,943	6,719,923		17,513,300	$42,453
1983	79,545	131,481	71,228	6,040,406		14,786,521	$35,037
1984	104,431	157,403	81,517	8,419,414		18,713,275	$47,151
1985	150,831	283,953	200,338	9,714,347		20,684,000	$60,965
1986	294,270	91,017	-	8,210,945	1,778,082	19,597,987	$60,413

TIMBER HARVESTED ON CROWN LANDS BY REGION

(Administrative Regions of Ministry of Natural Resources)
in cubic metres in years ending March 31

Note: Figures for 1987 not available at time of publication

Region	1982	1983	1984	1985	1986
Northwestern					
Softwoods	3,688,116	2,888,440	3,830,981	3,856,741	3,759,601
Hardwoods	71,194	76,868	90,337	135,361	137,303
North Central					
Softwoods	4,464,605	4,007,835	4,368,590	4,706,900	4,569,500
Hardwoods	923,375	847,995	1,133,546	1,533,812	1,485,805
Northern					
Softwoods	4,795,869	3,945,635	5,200,631	5,778,030	5,465,850
Hardwoods	538,589	533,394	781,957	740,893	757,997
Northeastern					
Softwoods	1,315,205	1,093,690	1,517,671	1,613,782	1,571,413
Hardwoods	766,063	523,773	703,510	949,961	710,428
Algonquin					
Softwoods	324,081	294,264	363,038	393,113	366,429
Hardwoods	492,500	442,689	606,772	847,382	643,844
Eastern					
Softwoods	29,304	22,852	18,595	23,928	31,422
Hardwoods	104,400	104,479	97,649	101,541	98,396
Central					
Softwoods	-	4,607	-	1,371	-
Hardwoods	-	-	-	1,183	-
Southwestern					
Softwoods	-	-	-	-	-
Hardwoods	-	-	-	-	-
Totals, Ontario					
Softwoods	14,617,179	12,257,322	15,299,504	16,373,865	15,764,214
Hardwoods	2,896,121	2,529,198	3,413,771	4,310,135	3,833,773
Grand Total	17,513,300	14,786,521	18,713,275	20,684,000	19,597,987

TIMBER HARVESTED ON CROWN LANDS BY METHOD OF MEASUREMENT AND TREE SPECIES

in year ending March 31, 1986

Note: Figures for 1987 not availalbe at time of publication

Unit of Measurement Tree Species	Billing Units	Equivalent Cubic Metres	Crown Dues $	Stumpage Value $
STACKED, ROUGH				
White Pine	19,248.555	19,248.555	193,051.73	198,715.92
Red Pine	14,504.928	14,504.928	37,842.06	39,335.80
Jack Pine	807,076.669	806,974.440	2,690,755.27	2,758,165.74
Spruce, Mixed	1,221,420.695	1,221,416.336	4,211,408.89	4,357,253.01
Hemlock	0.054	0.054	0.03	0.25
Balsam	103,049.744	103,049.744	273,368.53	288,130.95
Cedar	6,425.341	6,409.690	19,001.38	19,720.15
Tamarack	3,363.301	3,363.301	10,118.90	10,187.11
White Birch	22,144.207	22,135.837	15,230.43	36,757.73
Poplar	426,834.628	425,314.618	293,475.03	328,553.06
Hardwoods, Mixed	2,664.294	2,664.294	1,691.83	1,691.83
SUB-TOTAL	2,616,732.416	2,615,081.797	7,745,944.08	8,038,511.55
STACKED, PEELED				
Jack Pine	109,564.053	109,340.079	407,094.24	412,392.88
Spruce, Mixed	419,081.342	412,912.142	1,558,836.30	1,589,886.75
Balsam	59,328.257	57,212.432	35,191.44	35,485.82
Poplar	93,556.000	89,562.442	74,318.37	78,204.81
SUB-TOTAL	681,529.652	669,027.095	2,075,440.35	2,115,970.26

Note: Figures for 1987 not available at time of publication

Unit of Measurement Tree Species	Billing Units	Equivalent Cubic Metres	Crown Dues $	Stumpage Value $
CUBIC METRES				
White Pine	389,560.736	389,560.736	1,191,201.29	1,647,307.76
Red Pine	106,578.376	106,578.376	330,166.04	451,748.99
Jack Pine	925,989.557	926,008.323	3,211,763.22	3,278,464.28
White Spruce	145,107.215	145,107.215	361,584.33	365,349.31
Black Spruce	660,987.408	660,987.408	2,446,672.08	2,475,768.25
Spruce, Mixed	2,335,926.713	2,335,926.713	7,962,233.30	8,118,952.08
Hemlock	54,935.819	54,935.819	168,059.93	182,497.70
Balsam	160,801.908	160,801.908	529,274.36	545,226.99
Cedar	10,331.486	10,331.486	30,886.05	33,751.62
Tamarack	361.290	361.290	1,065.26	1,172.72
White Birch	63,901.086	63,901.086	45,323.78	75,791.06
Poplar	821,065.006	821,065.006	623,206.62	702,642.60
SUB-TOTAL	5,675,546.600	5,675,565.366	16,901,436.26	17,878,673.36
BOARD FOOT MEASURE, GRADE 1				
Maple	183,967.304	183,967.304	719,558.34	915,914.48
Yellow Birch	68,511.650	68,511.650	266,616.83	442,360.10
Oak	10,161.717	10,161.717	39,829.16	64,339.95
Beech	22,693.347	22,693.347	88,073.47	97,842.23
Ash	1,153.599	1,153.599	4,333.01	6,255.28
Elm	10.359	10.359	40.18	46.11
Basswood	6,645.167	6,645.167	26,091.50	37,956.45
Butternut	21.839	21.839	85.32	113.04
Ironwood	0.228	0.228	0.91	0.91
Cherry	1,105.010	1,105.010	5,206.32	6,377.54
SUB-TOTAL	294,270.220	294,270.220	1,149,835.04	1,571,206.09

Note: Figures for 1987 not available at time of publication

Unit of Measurement Tree Species	Billing Units	Equivalent Cubic Metres	Crown Dues $	Stumpage Value $
BOARD FOOT MEASURE, GRADE 2				
Maple	59,073.592	59,073.592	30,027.18	40,959.79
Yellow Birch	13,031.670	13,031.670	6,601.84	8,816.04
Oak	4,593.657	4,593.657	2,243.14	4,458.85
Beech	9,578.149	9,578.149	4,892.21	5,836.06
Ash	484.369	484.369	240.84	566.82
Elm	0.681	0.681	0.35	0.39
Basswood	3,855.951	3,855.951	1,926.32	3,985.45
Hickory	0.545	0.545	0.28	0.33
Butternut	21.617	21.617	10.35	48.17
Ironwood	0.854	0.854	0.43	0.43
Cherry	376.143	376.143	187.42	259.86
SUB-TOTAL	91,017.228	91,017.228	46,130.36	64,932.19

Note: Figures for 1987 not available at time of publication

Units of Measurement Tree Species	Billing Units	Equivalent Cubic Metres	Crown Dues $	Stumpage Value $
MASS-SCALED WOOD				
White Pine	217,634.517	246,045.048	772,048.54	1,022,182.35
Red Pine	72,240.569	82,734.360	258,244.06	321,196.67
Jack Pine	3,017,746.921	3,735,700.989	12,659,848.31	13,123,219.36
Spruce, Mixed	2,805,364.102	3,640,926.500	12,397,113.51	12,889,342.45
Hemlock	17,826.910	16,618.308	53,264.74	58,282.15
Balsam	450,146.285	488,920.197	1,438,616.99	1,472,198.75
White Brich	186,367.528	165,718.365	117,730.91	179,905.11
Poplar	1,418,669.371	1,432,328.833	1,076,235.78	1,251,486.64
Maple	159,210.540	121,813.732	61,938.68	96,865.68
Yellow Birch	36,968.094	28,284.690	14,525.26	21,052.50
Oak	11,999.969	9,181.308	4,699.71	8,048.11
Beech	10,036.563	7,679.077	3,928.89	5,971.36
Ash	359.279	274.891	134.37	297.65
Elm	8.698	6.655	3.22	33.32
Basswood	2,088.956	1,598.285	822.99	1,338.88
Cherry	456.044	348.929	178.90	220.55
SUB-TOTAL	8,407,124.346	9,978,180.167	28,859,334.86	30,451,641.53
FUELWOOD, STACKED, CUBIC METRES				
Conifers, Mixed	15,793.055	13,922.175	9,491.96	9,515.47
White Birch	1,240.176	1,240.176	950.63	996.51
Hardwoods, Mixed	72,681.306	72,681.306	47,174.71	70,415.92
SUB-TOTAL	89,714.537	87,843.657	57,617.30	80,927.90
FUELWOOD, CUBIC METRES				
Conifers, Mixed	4,315.494	4,315.494	3,069.77	8,638.08
White Birch	344.185	344.185	247.93	262.11
Poplar	37.205	37.205	26.62	26.62
Hardwoods, Mixed	171,457.896	171,457.896	114,266.04	193,143.80
SUB-TOTAL	176,154.780	176,154.780	117,610.36	202,070.61
FUELWOOD, MASS-SCALED				
Hardwoods, Mixed	12,364.206	10,846.938	7,928.96	8,634.25
SUB-TOTAL	12,364.206	10,846.938	7,928.96	8,634.25
TOTAL TIMBER CUT IN PROVINCE		19,597,987.248	56,961,277.57	60,412,567.74

Number of District Cutting Licences/Permits issued and included in the above: 2,259

PRINCIPAL STATISTICS OF ONTARIO'S FOREST INDUSTRY BY SECTOR

Source: Statistics Canada

Sector	Establishments Number	Total Employees Number	Total Salaries & Wages $000s	Fuel and Electricity $000s
1981				
Logging	418	9,003	230,052	30,562
Wood Industries	774	20,970	362,998	43,705
Paper & Allied	342	47,381	1,044,810	324,780
Total	1,534	77,354	1,637,860	399,047
Furniture and Fixtures	610	25,856	416,922	15,181
1982				
Logging	418	7,079	193,796	33,320
Wood Industries	794	19,015	334,260	46,144
Paper & Allied	347	43,917	1,078,919	351,385
Total	1,559	70,011	1,606,975	430,849
Furniture and Fixtures	644	23,684	398,558	19,285
1983				
Logging	472	7,826	227,797	39,425
Wood Industries	820	19,562	381,158	54,659
Paper & Allied	301	41,001	1,110,513	381,789
Total	1,593	68,389	1,719,468	475,873
Furniture and Fixtures	697	23,218	427,289	21,248
1984				
Logging	484	9,515	275,809	44,724
Wood Industries	838	20,840	432,202	61,128
Paper & Allied	311	41,690	1,181,223	408,817
Total	1,633	72,045	1,889,234	514,669
Furniture and Fixtures	713	24,050	471,923	21,687
1985				
Logging	518	8,482	260,439	45,803
Wood Industries	851	23,207	507,511	67,132
Paper & Allied	317	40,990	1,245,332	404,954
Total	1,686	72,679	2,013,282	517,889
Furniture and Fixtures	714	26,248	564,144	25,193

Sector	Materials & Supplies $000s	Value of Shipments $000s	Total Value Added $000s
1981			
Logging	381,431	717,927	327,515
Wood Industries	791,939	1,436,082	619,138
Paper and Allied	2,702,821	5,129,829	2,136,084
Total	3,876,191	7,283,838	3,082,737
Furniture and Fixtures	718,103	1,455,964	755,591
1982			
Logging	346,243	678,892	287,982
Wood Industries	678,066	1,256,366	525,522
Paper & Allied	2,596,915	4,841,076	1,939,371
Total	3,621,224	6,776,334	2,752,875
Furniture and Fixtures	646,963	1,347,435	682,402
1983			
Logging	398,704	793,959	355,758
Wood Industries	848,804	1,572,204	698,513
Paper & Allied	2,676,283	5,041,628	2,010,011
Total	3,923,791	7,407,791	3,064,282
Furniture and Fixtures	726,010	1,522,637	785,228
1984			
Logging	514,580	922,640	394,618
Wood Industries	999,172	1,795,703	774,791
Paper & Allied	3,044,817	5,851,884	2,466,296
Total	4,558,569	8,570,227	3,635,705
Furniture and Fixtures	811,176	1,716,607	900,633
1985			
Logging	501,838	949,222	389,669
Wood Industries	1,140,014	2,103,431	912,629
Paper & Allied	3,186,653	6,036,236	2,476,824
Total	4,828,505	9,088,889	3,779,122
Furniture and Fixutres	945,051	2,008,981	1,056,810

Note:
Furniture and Fixtures does not include furniture re-upholstery and repair shops.

OUTDOOR RECREATION GROUP

Room 2340, Whitney Block Telephone (416) 965-5661

Executive Co-ordinator.....	Ron Christie.....	W-2341...5-5661
Secretary.....	Naomi Ball.....	W-2340...5-5661
Enforcement Specialist.....	Dale Gartley.....	W-2342...5-5661
Librarian.....	Sandra Louet.....	W-4540...5-6319

WILDLIFE BRANCH

Room 2320, Whitney Block Telephone (416) 965-4252

Branch Director.....	Don Simkin.....	W-2327..5-4254
Wildlife Planning Co-ordinator.....	Paul Gray.....	W-2325..5-4252
Program Development & Audit Section		
Supervisor.....	Doug Hagan.....	W-2321..5-4252
Habitat Development.....	David Hogg.....	W-2309..5-7641
Deer/Caribou Program.....	Ray Stefanski.....	W-2331..5-4252
Upland Game/Waterfowl Program...	John Harcus.....	W-2332..5-4252
Moose/Bear Program.....	Howard Smith.....	W-2323..5-4252
Non-game Program.....	Irene Bowman.....	W-2330..5-4252
Wetland Habitat.....	Valanne Glooschenko....	W-2322..5-7641
Extension Development Section		
Supervisor.....	Laurel Whistance-Smith.	W-2326..5-4252
Wildlife Extension Co-ordinator.	vacant.....	W-2320..5-4252
Wildlife Education Co-ordinator.	Anne Nicholson.....	W-2308..5-7641
Provincial CWIP Co-ordinator....	vacant.....	W-2308..5-7641
Wildlife Services Section		
Supervisor.....	Murray Smith.....	W-2328..5-4252
Fur Management Program.....	Milan Novak.....	W-2423..5-3345
Hunter Education Program.....	William McKittrick.....	W-2306..5-7641
Legislation Co-ordinator.....	Mor Chromec.....	W-2329..5-4252
Data Systems Co-ordinator.....	John Barbowski.....	W-2304..5-7641
Wildlife Surveys and Records....	Brian Shawcross.....	W-1612..5-8945

Wildlife Research Section

Box 50, Maple, Ont. L0J 1E0 Telephone (416) 832-2761

Supervisor.....	Charles MacInnes.....	832-7110
Population Dynamics.....	David Hussell.....	832-7137
Bio-Electronic Scientist.....	vacant	
Field Studies Scientist.....	Dennis Voigt.....	832-7151
Rabies Unit Leader.....	David Johnston.....	832-7114
Upland Game/Waterfowl Scientist.	Harry Lumsden.....	832-7120
Predator Scientist.....	George Kolenosky.....	832-7129
Disease/Parasites Scientist.....	Edward Addison.....	832-7124

HUNTING STATISTICS - Estimates compiled from hunters surveyed by mail

	RESIDENT			NON-RESIDENT		
Year	Hunters	Hunter Days	Harvest	Hunters	Hunter Days	Harvest
MOOSE						
1981	66,850	405,500	7,630	3,110	19,400	460
1982	85,630	508,100	10,150	3,060	19,200	550
1983	69,780	537,400	8,640	2,080	13,300	410
1984	77,020	582,900	9,850	2,130	13,700	480
1985	76,130	576,100	9,580	2,640	16,800	610
1986	77,410	595,100	11,110	2,770	18,200	700
DEER						
1981	84,590	469,500	10,610	590	3,000	70
1982	91,750	500,300	11,870	560	2,900	90
1983	99,690	573,400	18,930	510	2,800	80
1984	103,050	590,900	23,870	520	2,800	110
1985	111,830	672,800	26,710	630	3,500	120
1986	120,570	738,700	36,200	770	4,300	160
SMALL GAME						
1978-79	226,693	2,975,400		8,724	55,100	
1979-80	214,550	2,829,600		10,520	65,700	
1980-81	220,020	2,781,300		11,170	76,100	
BEAR						
1981	8,170	58,300	1,370	12,230	81,400	3,700
1983	10,660	90,600	1,720	15,060	101,300	4,820
1984	9,160	80,400	1,300	15,260	102,600	4,970
1985	9,300	86,700	1,440	16,850	111,700	6,370

TOTALS

Year	Total Hunters	Hunter Days	Harvest
MOOSE			
1981	69,960	429,900	8,090
1982	88,690	527,300	10,700
1983	71,860	550,700	9,050
1984	79,150	596,600	10,340
1985	78,780	592,900	10,190
1986	80,180	613,300	11,810
DEER			
1981	85,180	472,500	10,680
1982	92,310	503,200	11,960
1983	100,200	576,200	19,010
1984	103,570	593,700	23,980
1985	112,460	676,300	26,830
1986	121,340	743,000	36,360
BEAR			
1981	20,400	139,700	5,070
1983	25,720	191,900	6,540
1984	24,420	183,000	6,270
1985	26,150	198,400	7,810

EXPENDITURE BY HUNTERS - (Excluding Licence Fees)

Survey Year	Hunt	Estimates compiled from Hunters Surveyed by Mail Resident	Non-Resident	Total
1981-82	Moose	23,576,000	1,929,000	25,505,000
1982-83	Moose	28,900,000	1,889,000	30,789,000
1983-84	Moose	28,856,000	1,597,000	30,453,000
1984-85	Moose	32,460,000	1,727,000	34,187,000
1985-86	Moose	34,463,000	2,011,000	36,474,000
1986-87	Moose	35,294,000	2,122,000	37,416,000
1981-82	Deer	18,163,000	229,000	18,392,000
1982-83	Deer	20,306,000	240,000	20,546,000
1983-84	Deer	24,038,000	230,000	24,268,000
1984-85	Deer	26,386,000	214,000	26,600,000
1985-86	Deer	31,709,000	274,000	31,983,000
1986-87	Deer	34,257,000	339,000	34,596,000
1976-77	Small Game	53,561,000	3,252,000	56,813,000
1978-79	Small Game	47,634,000	3,278,431	50,912,431
1979-80	Small Game	47,162,000	4,413,000	51,575,000
1980-81	Small Game	50,000,000	4,563,000	54,563,000
1981-82	Bear	2,233,000	5,352,000	7,585,000
1983-84	Bear	3,724,000	8,012,000	11,736,000
1984-85	Bear	3,385,000	8,398,000	11,783,000
1985-86	Bear	3,908,000	9,677,000	13,515,000

HUNTING LICENCES SOLD

Year	DEER Resident	DEER Non-Res.	MOOSE Resident	MOOSE Non-Res.	BEAR Resident	BEAR Non-Res.
1982-83	101,712	570	92,393	3,111	13,817	14,639
1983-84	112,318	535	75,650	2,148	15,464	16,109
1984-85	114,729	556	89,492	2,201	13,696	16,160
1985-86	125,049	670	91,319	2,701	14,198	17,739
1986-87	133,557	806	93,308	2,809	15,870	20,569

Year	SMALL GAME Resident	SMALL GAME Non-Res.	TOTAL LICENCES Resident	TOTAL LICENCES Non-Res.	Total
1982-83	338,279	11,202	546,201	29,522	575,723
1983-84	321,484	10,844	524,916	29,636	554,552
1984-85	306,682	11,332	524,599	30,249	554,848
1985-86	308,478	12,434	526,640	33,542	560,182
1986-87	312,988	13,183	555,723	37,367	593,090

FURBEARER HARVESTS

in years ending June 30

Average Pelt value, 1985-86 $		Totals from Sealing Officers' Reports and Fur Dealers' Returns			
		1983	1984	1985	1986
37.56	Beaver	141,648	119,080	133,011	141,637
35.34	Mink	21,575	16,183	16,107	20,069
41.53	Marten	58,522	64,545	30,671	56,133
49.97	Otter	10,189	7,576	9,145	8,711
194.91	Fisher	4,413	3,725	3,002	3,473
545.73	Lynx	2,888	1,707	495	478
133.79	Bobcat	47	26	15	15
3.92	Muskrat	617,459	450,634	540,943	492,762
21.76	Raccoon	126,636	72,844	87,344	75,519
.25	Red Squirrel	7,652	3,229	6,034	4,895
1.76	Weasel	3,941	3,281	3,690	4,677
30.93	Coloured Fox	21,929	19,629	18,362	20,597
16.31	Arctic Fox	106	44	116	213
50.15	Timber Wolf	1,154	884	1,003	821
27.18	Coyote	2,347	2,718	2,603	2,579
38.14	Black Bear	120	132	81	57
158.35	Wolverine	26	12	9	9
2.14	Skunk	536	264	147	81
14.70	Grey Fox	5	11	2	6
225.56	Polar Bear	4	19	23	32
9.45	Badger	7	7	1	0
1.32	Opossum	53	89	33	20
Total Pelts		1,021,257	766,639	852,837	832,784
Total Value		14,343,082	13,173,998	13,913,083	14,082,694

Total royalties collected in 1985-86 $772,050.55

TRAPPER LICENCES, 1985-86

Registered	3,141	@ $5.25 =	$16,490.25
Resident	7,294	@ $5.25 =	$38,293.50
Farmer	796	@ $0 =	---
Registered Treaty	3,229	@ $1.00 =	$ 3,229.00
Landowner	210	@ $5.25 =	$ 1,102.50
Raccoon Hunters	2,873	@ $5.25 =	$15,083.25
Totals	17,543		$74,198.50

HUNTER EDUCATION PROGRAM

Training, which began in 1957, became mandatory for prospective hunters in 1960. Hunting licence examinations consisting of written and practical tests were introduced in 1968. Applicants for an examination who were under 20 years of age were required to complete the prescribed training course before attempting the examination. In 1983, this training requirement was extended to all applicants born after December 31, 1954. Effective January 1, 1987, all applicants regardless of age must complete the hunter training course before applying for their hunting licence examination.

Year	ACTIVE INSTRUCTORS at Dec. 31	STUDENTS TRAINED Yearly	To Date	HUNTING ACCIDENTS Non-Fatal	Fatal	Total
1980	1,320	38,730	564,608	56	6	62
1981	1,406	39,625	604,233	33	3	36
1982	1,295	34,430	638,663	38	4	42
1983	1,150	30,216	668,879	20	3	23
1984	1,175	33,117	701,996	34	4	38
1985	1,176	27,241	729,237	36	4	40
1986	1,065	25,318	754,555	29	7	36

28 PROVINCIAL WILDLIFE AREAS

	Hectares
Aylmer Provincial Wildlife Area	150
Brighton Provincial Wildlife Area	388
Bruce Recreation Area	3,925
Camden Lake Wildlife Management Area	1,052
Copeland Forest	1,760
Darlington Provincial Park	111
Fingal Provincial Wildlife Area	293
Gananoque Provincial Wildlife Area	580
Holland Marsh Provincial Wildlife Area	573
Hoople Creek Provincial Wildlife Area	105
Hullett Provincial Wildlife Area	2,794
Long Point Provincial Wildlife Area	500
Luther Marsh Wildlife Area	5,666
Matchedash Bay Provincial Wildlife Area	225
Mountain Provincial Wildlife Area	1,457
Nonquon River Wildlife Area	1,133
Point Petre Provincial Wildlife Area	1,276
Presqu'ile Provincial Park	931
Puslinch Crown Resource Management Area	138
Rankin Wildlife Management Area	3,800
Rondeau Provincial Park	4,654
St. Edmunds Provincial Wildlife Area	6,799
Scugog Island	182
Sibbald Point Provincial Park	225
Stag Island Wildlife Management Area	17
Tiny Marsh Provincial Wildlife Area	931
Wye Marsh Provincial Wildlife Area	919

12 WILDLIFE EXTENSION
LANDOWNER AGREEMENT AREAS

	Hectare
Beverly Swamp	430
Binbrook	401
Calton Swamp	96
Christie	340
Crooks Hollow	17
Hawk Cliff	34
Lake St. Lawrence	6,070
Mud Lake	61
Orangeville Reservoir	316
Valens	223
Waterford Lakes	290
Willoughby Marsh	227

COMMUNITY WILDLIFE INVOLVEMENT PROGRAM (CWIP)

Provincial Distribution of CWIP Projects for 1986/87

Southwestern Region	
Alymer	8
Chatham	5
Owen Sound	5
Simcoe	7
Wingham	7
TOTAL	32

Northeastern Region	
Blind River	1
Espanola	2
North Bay	2
Sault Ste. Marie	0
Sudbury	9
Temagami	0
Wawa	0
TOTAL	14

Central Region	
Cambridge	13
Niagara	4
Lindsay	1
Maple	12
Huronia	6
TOTAL	36

Northern Region	
Chapleau	0
Cochrane	1
Gogama	3
Hearst	1
Kapuskasing	1
Moosonee	0
Kirkland Lake	3
Timmins	0
TOTAL	9

Eastern Region	
Brockville	1
Cornwall	3
Carleton Place	5
Napanee	2
Tweed	5
TOTAL	16

North Central Region	
Atikokan	0
Geraldton	2
Nipigon	0
Terrace Bay	2
Thunder Bay	5
TOTAL	9

Algonquin Region	
Bancroft	2
Bracebridge	4
Minden	2
Parry Sound	1
Pembroke	3
Algonquin Park	1
TOTAL	13

Northwestern Region	
Dryden	0
Fort Frances	1
Ignace	0
Kenora	3
Red Lake	0
Sioux Lookout	0
TOTAL	4

PROVINCIAL TOTAL: 133 CWIP Projects in 1986/87

COMMUNITY WILDLIFE INVOLVEMENT PROGRAM (CWIP)

CWIP Participant Statistics for 1986/87

Participant Group	Number of Projects	Number of Participants	Hours Contributed by Participants
Sportsmens' Clubs	47	1,257	12,644
Naturalists' Clubs	17	528	5,645
Individuals	21	151	7,219
Landowners	2	9	130
Trapper Organizations	11	217	2,350
Youth Groups (scouts, guides, 4-H students)	17	813	4,147
Tourist Outfitters	1	3	24
Seniors	3	83	625
Church Groups	3	26	250
Community Groups	10	300	4,460
Organizations for the Disabled	1	20	400
TOTALS	133	3,425	37,894

Project WILD

1986/87 TEACHER-TRAINING WORKSHOPS BY REGION

Region	No. of Leaders MNR / School Bd.		No. of Workshops	Number of Trained Teachers
Northwestern	4	2	7	230
North Central	12	16	9	276
Northern	10	10	11	367
Northeastern	6	4	2	47
Algonquin*	8	0	3	80
Eastern	4	12	8	378
Central	13	40	30	1,001
Southwestern	13	20	31	874
TOTALS	70	104	101	3,255

*Note: all Algonquin Region workships held by the Frost Centre

Outdoor Recreation Group

PARKS AND RECREATIONAL AREAS BRANCH

Room 3329, Whitney Block Telephone (416) 965-5160

Branch Director	Norm Richards	W-3329...5-5160
A/Policy Co-ordinator	Don Hallman	W-3328...5-2745
A/Secretary	Joan Miller	W-3328...5-5160
Operations Manager	Jim Griffin	W-3342...5-1245
A/Operations Secretary	Linda Kenny	W-3340...5-1245
Park Mgmt. Supervisor	Bob McGee	W-3343...5-1245
Parks Technician	Mike Lynch	W-3346...5-1245
Visitor Services Supervisor	Gary Forma	W-3347...5-1245
Parks and Recreational Areas Technician	Paul deCourcey	W-3345...5-1245
A/Research and Computer Applications Supervisor	Doug Driscoll	W-3344...5-1245
Park Mgmt. and Research Technician	Pat Walsh	W-3352...5-1245
Mgmt. Information Specialist	Doug Driscoll	W-3351...5-1245
Mgmt. Information Clerk	Doris Alexander	W-3353...5-1245
Planning and Development Manager	Ken McCleary	W-3326...5-2745
Planning and Development Secretary	Mildred Stedman	W-3326...5-2745
Planning and Development Stenographer	Rubi Coombs	W-3310...5-2745
Planning and Development Clerk	Pat Naylor	W-3330...5-2745
Planning and Development Typist	Rose Watkins	W-3320...5-2745
Senior Landscape Architect	Garrett Pittenger	W-3330...5-2745
Landscape Architect	John Huang	W-3330...5-2745
Supervisor, Environmental and Design Services	Stan Cowan	W-3324...5-2745
Environmental and Design Services Engineer	Joachim Kolodziej	W-3322...5-2745
Draftsperson	Maria Lehoczky	W-3330...5-2745
Project Development Officer	Hugh Miles	W-3323...5-2745
Mechanical Designer	vacant	W-3320...5-2745
Environmental Draftsperson	Bozena Manowski	W-3320...5-2745
Architectural Draftsperson	Brian Joyce	W-3320...5-2745
Supervisor Planning	Rick Phillips	W-3301...5-2745
Special Projects Officer	Patricia Wagner-McLellan	W-3327...5-2745
Earth Sciences Planner	Bob Davidson	W-3301...5-2745
Life Sciences Planner	Tom Beechey	W-3301...5-2745

PUBLIC USE OF PROVINCIAL PARKS

Year	Interior Campers	Campers	Average Days	Camper Nights	Total Visitors
1982	80,550	1,267,974	2.6	3,287,603	6,250,777
1983	85,131	*1,354,019	2.7	**3,726,427	***7,647,287
1984	-	1,461,904	2.6	3,764,006	7,337,892
1985	-	1,429,440	2.6	3,718,634	+7,524,003
1986	-	1,289,588	2.8	3,658,493	7,488,170

VISITOR SERVICES PROGRAM ATTENDANCE

Organized Events/Activities

Year	Parks	Guided Tours	Personal Service Evening Programs	Film Programs	School Programs	Children's Programs	Special Events	Other
1985	69	34,773	111,472	107,947	57,366	22,042	79,553	75,205
1986	69	30,715	90,859	95,279	46,616	21,824	72,518	55,546

Indoor Facilities			Outdoor Self-Use Facilities			
Indoor Displays Museums	Activity Centre	Other	Open Air Displays/ Exhibits	Inter-pretive Trails	Other Trails	Other
286,515	50,163	73,385	150,101	321,303	165,250	73,714
263,190	96,878	73,078	136,362	340,710	109,620	101,040

PUBLICATIONS

Priced	Other	Free
++91,377	84	1,406,308
13,650	520	1,270,990

TOTAL VISITOR SERVICES PROGRAM ATTENDANCE: +++1,608,789
1,534,235

GROWTH OF PROVINCIAL PARKS

Areas in hectares

Year	Camping Parks	Camping Units	Recommended Parks No.	Recommended Parks ha	Provincial Parks No.	Provincial Parks ha
1982	97	20,393	97	944,337	135	4,258,632
1983	97	20,526	144	790,132	139	5,476,369
1984	97	20,481	88	759,556	136	5,476,804
1985	97	20,472	55	695,868	220	5,657,287
1986	96	20,362	51	696,072	219	5,659,105

Notes for page 46

* Includes interior campers.
** Includes interior camper nights.
*** Includes interior visitors & traffic count visitors for Wasaga Beach Provincial Park.
\+ Includes winter visitors.
++ Includes publications produced by The Friends of Algonquin Park.
+++ Publications not included.

219 PROVINCIAL PARKS IN REGULATION IN 1986

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
NORTHWESTERN REGION					
RED LAKE					
Opasquia	WI	473,000	-	-	-
Pakwash	R	631	60	653	2,808
Woodland Caribou	WI	450,000	-	-	800
KENORA					
Rushing River	R	190	191	19,503	52,657
Sioux Narrows	R	129	71	4,609	11,062
FORT FRANCES					
Agassiz Peatland	NR	2,315	-	-	-
Caliper Lake	R	134	92	4,937	10,367
Cranberry Lake	NR	2,800	-	-	-
Lake of the Woods	NE	12,900	85	2,171	6,946
Sandpoint Island	NE	900	-	-	-
Sauble Islands	NR	1,980	-	-	-
Spruce Islands	NR	970	-	-	-
DRYDEN					
Aaron	R	117	98	3,837	4,988
Blue Lake	R	354	188	10,842	35,778
Butler Lake	NR	3,400	-	-	-
Lola Lake	NR	6,572	-	-	-
Winnange Lake	NE	4,745	-	-	-
SIOUX LOOKOUT					
Ojibway	R	2,630	50	1,113	3,783
IGNACE					
Bonheur River Kame	NR	800	-	-	-
Sandbar Lake	R	5,083	75	6,324	11,384
Total: 20 Parks		969,650	910	53,989	140,572

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
NORTH CENTRAL REGION					
ATIKOKAN					
Quetico	WI	475,819	133	60,102	114,193
THUNDER BAY					
Arrow Lake	R	430	-	-	-
Arrowhead Peninsula	NR	815	-	-	-
Castle Creek	NR	1,075	-	-	-
Cavern Lake	NR	189	-	-	-
Devon Road Mesa	NR	60	-	-	-
Divide Ridge	NR	235	-	-	-
Edward Island	NR	600	-	-	-
Fraleigh lake	NR	825	-	-	-
Kakabeka Falls	NE	420	166	24,731	34,623
Kashabowie	NE	2,055	-	-	-
Le Pate	NR	250	-	-	-
Little Greenwater Lake	NR	244	-	-	-
Matawin River	NR	2,615	-	-	-
Middle Falls	NE	907	25	1,415	1,557
Ouimet Canyon	NR	777	-	-	-
Porphyry Island	NR	107	-	-	-
Sibley	NE	24,435	200	12,769	26,814
Silver Falls	NE	3,261	-	-	-
Thompson Island	NR	145	-	-	-
NIPIGON					
Albert Lake Mesa	NR	130	-	-	-
Kabitotikwia River	NR	1,965	-	-	-
Kama Hills	NR	1	-	-	-
Lake Nipigon	NE	1,458	60	2,668	4,002
Livingstone Point	NR	1,800	-	-	-
Puff Island	NR	9	-	-	-
Sedgman Lake	NR	5,710	-	-	-
Shesheeb Bay	NR	275	-	-	-
Wabakimi	WI	155,000	-	-	-
West Bay	NR	1,120	-	-	-
GERALDTON					
Klotz Lake	R	119	30	1,050	1,365
MacLeod	R	74	85	3,375	10,463
Winisk River	WA	173,530	-	-	-
TERRACE BAY					
Craig's Pit	NR	530	-	-	-
Gravel River	NR	763	-	-	-
Neys	NE	3,445	146	14,726	22,089
Prairie River Mouth	NR	380	-	-	-
Rainbow Falls	R	575	214	11,582	15,056
Red Sucker Point	NR	360	-	-	-
Schreiber Channel	NR	13	-	-	-
Slate Islands	NE	6,570	-	-	-
Total: 41 Parks		869,091	1,059	132,418	230,162

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
NORTHERN REGION					
HEARST					
Fushimi Lake	R	5,294	46	2,471	8,894
Nagagamisis	NE	8,131	165	2,777	10,830
Nagagami Lake	NR	1,650	-	-	-
MOOSONEE					
Polar Bear	WI	2,408,700	-	-	-
Tidewater	NE	980	30	1,005	1,005
KAPUSKASING					
Adam Creek	NR	50	-	-	-
Rene Brunelle	R	2,964	122	3,352	9,720
COCHRANE					
Abitibi de Troyes	NE	11,068	-	-	-
Coral Rapids	NR	12	-	-	-
Greenwater	NE	5,350	135	2,866	6,593
Kesagami	WI	55,977	-	-	-
Little Abitibi	WA	20,000	-	-	-
North Driftwood River	NR	3	-	-	-
Sextant Rapids	NR	4	-	-	-
Shallow River	NR	2	-	-	-
Williams Island	NR	8	-	-	-
TIMMINS					
Frederick House Lake	NR	13	-	-	-
Kettle Lakes	R	1,261	165	6,729	22,205
KIRKLAND LAKE					
Esker Lakes	NE	3,237	136	3,808	11,805
Kap-Kig-Iwan	NE	292	64	1,996	3,393
Larder River	WA	2,500	-	-	-
Puskin Hills	NR	5	-	-	-
Thackery	NR	116	-	-	-
CHAPLEAU					
Chapleau-Nemegosenda River	WA	8,165	-	-	-
Five Mile Lake	R	456	-	-	-
Ivanhoe Lake	NE	1,589	149	4,773	12,411
Missinaibi Lake	NE	44,061	36	2,959	11,837
The Shoals	NE	10,644	46	1,775	3,905
Wakami Lake	R	8,806	65	3,993	17,172
Total: 29 Parks		2,601,338	1,159	38,504	119,770

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
NORTHEASTERN REGION					
WAWA					
Lake Superior	NE	155,659	282	18,614	35,367
Michipicoten	H	289	-	-	-
Michipicoten Island	NE	36,740	-	-	-
Obatanga	NE	9,409	132	7,405	11,848
Potholes	NR	247	-	-	-
White Lake	NE	1,726	187	9,709	25,244
SAULT STE. MARIE					
Batchawana	R	169	-	-	-
Montreal River	NR	44	-	-	-
Pancake Bay	R	490	338	24,168	43,502
BLIND RIVER					
Aubrey Falls	NE	4,860	-	-	-
Mississagi	NE	2,883	90	2,276	7,512
Mississagi Delta	NR	2,395	-	-	-
Mississagi River	WA	19,814	-	-	-
ESPANOLA					
Chutes	R	108	134	14,396	20,155
La Cloche	NE	7,448	-	-	-
SUDBURY					
Fairbank	R	105	160	5,885	15,300
Halfway Lake	NE	4,730	215	12,694	45,700
Killarney	WI	48,500	122	10,666	42,665
Mashkinonje	R	940	-	-	-
Wanapitei	NE	2,700	-	-	-
Windy Lake	R	118	83	5,080	14,224
TEMAGAMI					
Finlayson Point	R	37	114	3,630	13,069
Lady Evelyn Smoothwater	WI	72,400	-	-	-
Makobe-Grays River	WA	1,427	-	-	-
W. J. B. Greenwood	R	465	-	-	-
NORTH BAY					
Antoine	R	12	30	5	17
Marten River	R	400	216	5,670	12,475
Mattawa River	WA	3,258	-	-	-
Restoule	NE	1,200	278	5,850	24,570
Samuel de Champlain	NE	2,550	216	8,344	19,191
South Bay	R	1,525	-	-	-
Total: 32 Parks		382,648	2,597	134,392	330,839

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
ALGONQUIN REGION					
PARRY SOUND					
Grundy Lake	NE	2,554	520	15,464	51,031
Killbear	NE	1,756	883	40,141	188,665
Limestone Islands	NR	450	-	-	-
Oastler Lake	R	32	145	8,773	27,195
O'Donnell Point	NR	875	-	-	-
Sturgeon Bay	R	14	82	3,443	13,429
BRACEBRIDGE					
Arrowhead	NE	963	389	21,349	64,048
Bigwind Lake	NE	1,970	-	-	-
Dividing Lake	NR	350	-	-	-
Hardy Lake	NE	684	-	-	-
J. Albert Bauer	NE	163	-	-	-
Mikisew	R	131	265	12,068	27,757
Oxtongue R.-Ragged Falls	WA	382	-	-	-
BANCROFT					
Lake St. Peter	R	25	62	4,146	8,293
Opeongo River	WA	955	-	-	-
Petroglyphs	H	1,555	-	-	-
Silent Lake	NE	1,450	167	9,922	25,796
ALGONQUIN PARK					
Algonquin	NE	765,345	1,385	108,875	391,950
PEMBROKE					
Bonnechere	R	113	113	5,345	17,638
Carson Lake	R	13	43	2,053	3,900
Driftwood	R	265	79	3,051	7,933
Foy Property	R	148	-	-	-
Matawatchan	NR	65	-	-	-
Westmeath	Ne	610	-	-	-
Total: 24 Parks		780,868	4,133	234,630	827,635

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
EASTERN REGION					
CARLETON PLACE					
Carillon	R	1,417	416	16,078	35,371
Fitzroy	R	185	245	14,143	29,700
Murphys Point	NE	1,240	182	8,642	20,742
Rideau River	R	98	186	11,426	28,565
Silver Lake	R	43	148	7,943	20,653
Sharbot Lake	R	69	195	9,806	27,458
NAPANEE					
Bon Echo	NE	6,644	530	35,405	106,214
Charleston Lake	NE	902	250	17,684	56,590
Ferris	NE	198	162	2,719	5,981
Frontenac	NE	5,130	42	-	3,748
Lake on the Mountain	R	104	-	-	-
North Beach	R	89	-	-	-
Presqu'ile	NE	937	393	35,681	99,908
Sandbanks	NE	1,509	411	37,318	119,419
Stoco Fen	NR	102			
Timber Island	NR	44	-	-	-
Total: 16 Parks		18,711	3,160	196,845	554,349

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
CENTRAL REGION					
LINDSAY					
Balsam Lake	R	449	489	34,062	88,560
Darlington	R	209	350	29,664	68,228
Emily	R	83	299	20,811	58,270
Mark S. Burnham	R	39	-	-	-
Peter's Woods	NR	34	-	-	-
Quackenbush	H	40	-	-	-
Serpent Mounds	NE	135	113	9,321	27,030
Wolf Island	NE	222	-	-	-
HURONIA					
Awenda	NE	2,917	200	15,302	39,784
Bass Lake	R	39	92	12,688	29,182
Boyne Valley	R	434	-	-	-
Devil's Glen	R	6	45	2,793	4,189
Earl Rowe	R	312	555	24,903	62,258
Gibson River	NR	168	-	-	-
Mara	R	45	110	6,246	19,364
McRae Point	R	138	205	12,435	37,304
Mono Cliffs	NE	631	-	-	-
Six Mile Lake	R	94	190	17,019	42,548
Springwater	R	47	-	-	-
Wasaga Beach	R	1,545	-	-	-
Waubaushene Beaches	NR	34	-	-	-
MAPLE					
Duclos Point	NR	111	-	-	-
Forks of the Credit	NE	261	-	-	-
Sibbald Point	R	226	650	43,126	129,378
CAMBRIDGE					
Bronte Creek	R	640	-	-	-
NIAGARA					
Rock Point	R	187	128	8,957	25,080
Short Hills		661	-	-	-
Total: 27 Parks		9,707	3,426	237,327	631,175

Region, District Provincial Park	Class	Area in Hectares	Developed Campsites	Campers	Camper Nights
SOUTHWESTERN REGION					
SIMCOE					
Long Point	R	141	268	15,517	65,172
Selkirk	R	73	145	4,033	10,888
Turkey Point	R	311	365	10,986	24,170
AYLMER					
John E. Pearce	NE	68	-	-	-
Port Bruce	R	5	-	-	-
Port Burwell	R	227	232	16,720	50,161
Trillium Woods	NR	10	-	-	-
CHATHAM					
East Sister Island	NR	53	-	-	-
Fish Point	NR	110	-	-	-
Lighthouse Point	NR	96	-	-	-
Ojibway Prairie	NR	65	-	-	-
Peche Island	R	153	-	-	-
Rondeau	NE	3,254	226	20,564	63,747
Wheatley	R	241	210	16,199	37,257
WINGHAM					
Ipperwash	R	56	266	18,299	69,535
Pinery	NE	2,533	1,080	76,829	276,586
Point Farms	R	308	200	15,263	39,683
OWEN SOUND					
Bayview Escarpment	NR	439	-	-	-
Cabot Head	NR	4,514	-	-	-
Craigleith	R	66	172	17,015	39,135
Cyprus Lake	NE	669	242	21,038	58,906
Duncan Crevice Caves	NR	161	-	-	-
Fathom Five	NE	9,976	-	-	-
Hope Bay Forest	NR	353	-	-	-
Inverhuron	R	289	-	-	-
Lion's Head	NR	526	-	-	-
Little Cove	NR	16	-	-	-
MacGregor Point	R	1,204	360	16,907	52,413
Pretty River Valley	NE	808	-	-	-
Sauble Falls	R	20	152	12,113	36,338
Smokey Head/ White Bluff	NR	16	-	-	-
Total: 31 Parks		27,092	3,918	261,483	823,991

CLASSIFICATION

R - Recreation NE - Natural Environment NR - Nature Reserve
H - Historical WA - Waterway WI - Wilderness

	Area in hectares	Developed Campsites	Campers	Camper Nights
Total: 219 Parks	5,659,105	20,362	1,289,588	3,658,493

** 51 RECOMMENDED PROVINCIAL PARKS - 1986

Region, District Recommended Provincial Parks	Area in Hectares
NORTHWESTERN REGION	
RED LAKE	
Pakwash Addition	2,070
Trout Lake	7,850
SIOUX LOOKOUT	
Albany River*	65,360
Fawn River	4,700
Minnitaki Kames	4,340
Otoskwin - Attawapiskat River*	3,400
Pipestone River North	53,250
Pipestone River South	25,720
Severn River	93,700
Windigo Point	380
IGNACE	
Brightsands River*	22,800
Turtle River*	21,400
DRYDEN	
Gold Rock	710
Total: 13 Parks	305,680

Region, District Recommended Provincial Parks	Area in Hectares
NORTH CENTRAL REGION	
NIPIGON	
Pantagruel Creek	2,200
Windigo Bay	8,300
THUNDER BAY	
Brightsands River*	5,036
Kaiashk	230
Kopka River	11,000
La Verendrye River	4,390
TERRACE BAY	
Steel River	9,570
GERALDTON	
Albany River*	62,723
Little Current River	9,830
Otoskwin-Attawapiskat River*	69,542
Turtle River*	20,000
Total: 11 Parks	202,821

Region, District Recommended Provincial Parks	Area in Hectares
NORTHERN REGION	
CHAPLEAU	
Biscotasing	1,150
Missinaibi	86,450
TIMMINS	
Dana - Jowsey	2,550
GOGAMA	
La Motte Lake	510
Total: 4 Parks	90,660
NORTHEASTERN REGION	
BLIND RIVER	
Mississagi Extension	1,840
SUDBURY	
French River	43,800
Sturgeon River	2,240
NORTH BAY	
Great Manitou Island	80
ESPANOLA	
Misery Bay	697
Total: 5 Parks	48,657

Region, District Recommended Provincial Parks	Area in Hectares
ALGONQUIN REGION	
PARRY SOUND	
Blackstone Harbour	12,250
Round Lake	4,620
BRACEBRIDGE	
Chetwynd	520
BANCROFT	
Egan Chutes	320
Kawartha Highlands	1,880
Upper Madawaska River	750
PEMBROKE	
Bell Bay	1,630
Bonnechere River	570
Centennial Lake	3,830
Lower Madawaska River	1,770
MacKenzie Lake Addition	1,530
Ottawa River	450
MINDEN	
MacRae Addition	6,354
Total: 13 Parks	36,474

Region, District Recommended Provincial Parks	Area in Hectares
EASTERN REGION	
BROCKVILLE	
James Auld	3,810
Total: 1 Park	3,810
CENTRAL REGION	
LINDSAY	
Indian Point	860
HURONIA	
Lavender Falls	390
Scott's Falls	410
NIAGARA	
James N. Allan	280
Total: 4 Parks	1,940
SOUTHWESTERN REGION	
AYLMER	
Komoka	500
OWEN SOUND	
Black Creek	770
Ira Lake	460
Johnston Harbour/Pine Tree Point	4,300
Total: 4 Parks	6,030
TOTAL: 51 Recommended Provincial Parks	696,072

* Park boundary crosses two regions
** Recommended parks will be phased into the Provincial Parks system in the future.

Outdoor Recreation Group

FISHERIES BRANCH
Room 2347, Whitney Block Telephone (416) 965-7885

Branch Director	George Whitney	W-2347...5-7885
Secretary	vacant	W-2348...5-7885
Policy Development Co-ordinator	John Allin	W-2350...5-7885
Projects Implementation Co-ord.	James Hamilton	W-2447...5-7886
Client Services Section		
Manager	Colin Haxell	W-2349...5-7885
Secretary	Frances Heffernan	W-2348...5-7885
Information Co-ordinator	Allan Wainio	W-2353...5-7885
Data Systems Management Biologist	William Simpson	W-2446...5-7885
Economist	Nilam Bedi	W-2344...5-7885
Commercial Development Co-ord.	John Tilt	W-2455...5-7885
Regulations Clerk	Karen Jones	W-2456...5-7885
Fish Culture Section		
A/Supervisor	Alan Sippel	W-2448...5-7886
Secretary	Loraine LaVallee	W-2448...5-7886
Production Biologist	Julian Hynes	W-2449...5-7886
A/Fish Health Biologist	Jack Frimeth	W-2453...5-7886
Fish Nutrition Specialist	Young Cho	(519) 824-4120
Fish Assessment Biologist	vacant	W-2450...5-7886
Fish Culture Operations Co-ordinator	Cameron Mack	Maple..832-2761
Fish Culture Operations Specialist	Scott Watson	Maple..832-2761
Engineer	Howie Yoshida	W-2452...5-7886
Fish Community & Habitat Section		
Supervisor	Douglas Dodge	W-2312...5-7887
Secretary	Bluebell Fernandez	W-2312...5-7887
Habitat Enhancement Biologist	Raymond Biette	W-2312...5-7887
Aquatic Habitat Inventory Biologist	Gareth Goodchild	W-2312...5-7887
Inventory Data Systems & Lab Specialist	George Gale	W-2312...5-7887
Aquatic Habitat Acidification Specialist	Gail Beggs	W-2312...5-7887

Fisheries Research Section
Box 50, Maple, Ontario L0J 1E0 Telephone (416) 832-2761

Supervisor	James MacLean	832-7113
Secretary	Mary Hirst	832-7112
Age/Growth Studies & Environmental Stress	John Casselman	832-7130
Brook Trout Studies	Jim Fraser	832-7142
Community Dynamics	David Evans	832-7109
Stock Assessment & Research Services	Peter Ihssen	832-7164
Systems Ecology	Brain Shuter	832-7139
Population Ecology	Brian Henderson	832-7119
Salmonid Ecology	Tony Kwain	832-7135
Inland Lakes Co-ordinator	Leon Carl	832-7104
Population Ecology	Jim Reckhan	832-7107
Great Lakes Co-ordinator	Jack Christie	(613) 476-7877

RESEARCH STATIONS

Fisheries Research Section..... Box 5000, Thunder Bay, Ont P7C 5G6	Richard Ryder..... Peter Colby.....	(807) 683-6231 475-1635
South Baymouth Fisheries Lab..... R.R. 1, Tehkummah, Ont. P0P 2C0	John Collins.....	(705) 859-3137
Wheatley Fisheries Research Stn.. R.R. 2, Wheatley, Ont. N0P 2P0	Steve Nepszy..... Joe Leach.....	(519) 825-4171 4171
Glenora Fisheries Research Stn... R.R. 4, Picton, Ont. K0K 2T0	Don Hurley.....	(613) 476-2400
Harkness Lab (Algonquin Park).... Box 110, Whitney, Ont. K0J 2M0	.....	(705) 637-2103

FISH PLANTINGS

Numbers in 000s of Fish (F) and Eggs (E)
Stocked from Ontario Fish Culture Stations (calendar year)

Species	E/F	1982	1983	1984	1985	1986
Coho Salmon	F	144	181	216	190	273
Chinook Salmon	F	270	222	685	703	598
Rainbow Trout	F	369	318	266	339	500
Brown Trout	F	71	134	165	166	305
Brook Trout	E	-	302	-	-	-
	F	824	1,757	1,127	1,138	1,688
Lake Trout	E	-	25	80	38	15
	F	2,517	1,874	2,959	3,240	3,381
Lake Trout Backcross	F	-	856	1,071	907	908
Splake	E	-	180	-	-	-
	F	927	104	205	351	349
Aurora Trout	F	-	21	10	11	21
Whitefish	F	13	15	15	32	68
Muskellunge	E	-	-	-	-	-
	F	1,146	902	1,290	1,470	1,161
Smallmouth Bass	F	-	-	136	4	24
Walleye	E	-	-	300	800	-
	F	31	156	354	2,296	2,276
Total		6,312	7,047	8,879	11,761	11,568

FISH STOCKING from Ontario Provincial Fish Culture Stations

For the fiscal year ending March 31, 1986 (E-Eggs)

Station	Species	Quantity (1000's)	Weight (kg)
Cage Culture Project	Lake Trout Backcross	44	1,920
Codrington	Brown Trout	166	4,390
Chatsworth	Lake Trout	116	2,170
	Lake Trout Backcross	677	26,150
	Splake	1	1,120
	Whitefish	32	490
Deer Lake	Lake Trout	142	1,830
	Muskellunge	1,526	240
		76 E	
Dorion	Brook Trout	311	1,730
	Lake Trout	958	20,530
	Splake	43	270
Hill's Lake	Brook Trout	521	3,470
	Lake Trout	391	9,960
	Splake	46	580
Normandale	Rainbow Trout	221	3,570
North Bay	Brook Trout	1	90
	Lake Trout	46	560
		15 E	-
	Splake	151	1,870
	Aurora Trout	11	5
Pembroke	Brook Trout	56	610
	Lake Trout	146	3,050
Ringwood	Coho Salmon	183	4,110
	Chinook Salmon	584	3,070
Sandfield	Lake Trout	57	740
		38 E	-
	Lake Trout Backcross	296	6,240
	Smallmouth Bass	5	11
	Walleye	5	7
Skeleton Lake	Brook Trout	195	1,050
	Lake Trout	139	1,970
	Walleye	928	120
Tarentorus	Rainbow Trout	68	3,490
	Brook Trout	126	1,370
	Lake Trout	557	11,090
White Lake	Rainbow Trout	52	2,180
	Brook Trout	40	450
	Lake Trout	692	8,690
	Splake	45	280
	Walleye	405	220
		800 E	-
Total		10,912	

PLEASE NOTE: Statistics for the 1985 and 1986 Commercial Fish Harvest will be available in January, 1988. For more information, please contact Fisheries Branch, at (416) 965-7885.

EMPLOYMENT AND INVESTMENT IN COMMERCIAL FISHERY - 1984

Classification		Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron
Men employed	No.	285	714	22	74
FISHING BOATS					
12.2 m and over	No.	3	158	-	15
	tonnes	40	4,721	-	238
	Value $	85,000	23,866,011	-	1,478,944
6.1 m to 11.9 m	No.	77	28	8	2
	Value $	972,800	708,165	72,000	75,000
Under 6.1 m	No.	189	56	11	5
	Value $	371,620	89,795	20,050	5,194
FISHING GEAR					
Gill Nets	Metres	1,104,800	9,987,193	-	432,200
	Value $	775,587	7,168,985	-	514,767
Pound Nets	No.	-	43	180	-
	Value $	-	80,300	156,000	-
Trap Nets	No.	112	284	140	118
	Value $	84,600	1,216,000	31,500	230,941
Hoop Nets	No.	1,019	167	30	3
	Value $	585,350	73,200	15,000	3,000
Seine Nets	Metres	2,396	4,033	4,379	-
	Value $	19,600	55,000	17,300	-
Night Lines	No.	43,564	20,820	7,400	-
	Value $	32,151	11,800	6,200	-
Dip Nets	No.	10	13	-	-
	Value $	282	470	-	-
Trawl Nets	No.	-	336	-	-
	Value $	-	776,085	-	-
Trammel Nets	Metres	-	20	-	-
	Value $	-	13,800	-	-
SHORE INSTALLATIONS					
Freezers & Icehouses	No.	33	30	7	10
	Value $	183,075	1,117,700	49,400	133,500
Piers & Wharves	No.	32	42	8	5
	Value $	178,510	123,544	31,200	25,700
Net Sheds	No.	93	125	13	10
	Value $	414,054	2,281,750	181,000	291,200
Miscellaneous	Value $	637,850	56,500	-	-

NEW CAPITAL INVESTMENT					
Engines	Value $	78,315	207,912	2,300	32,200
Hulls	Value $	85,420	1,098,524	-	81,145
Fishing Gear	Value $	163,016	1,293,363	2,580	47,641
Wheelhouse Equip	Value $	10,850	186,419	-	22,889
Other Equipment	Value $	6,170	-	-	-
TOTAL NEW CAPITAL INVESTMENT		343,771	2,786,218	4,880	183,875
TOTAL INVESTMENT		4,110,185	40,374,473	584,530	2,942,121

EMPLOYMENT AND INVESTMENT IN COMMERCIAL FISHERY - 1983

Classification		Georgian Bay	North Channel	Lake Superior	Northern Inland Waters	Southern Inland Waters	Total
Men Employed		38	32	21	382	20	1,588
FISHING BOATS							
12.2 m & over	No.	9	6	9	8	-	208
tonnes		127	60	103	55	-	5,344
Value$		477,684	290,000	500,000	321,000	-	27,018,639
6.1m to 11.9m	No.	14	4	4	43	3	183
Value$		157,700	13,500	33,100	315,166	12,000	2,359,431
Under 6.1m	No.	22	10	11	209	12	525
Value$		56,900	9,450	28,808	366,326	17,100	965,243
FISHING GEAR							
Gill Nets							
Meters		316,530	195,000	117,000	509,810	13,000	12,675,533
Value$		294,600	85,930	92,900	332,922	10,850	9,276,541
Pound Nets							
No.		3	-	2	24	-	252
Value$		4,500	-	6,000	192	-	246,992
Trap Nets							
No.		4	4	1	79	4	746
Value$		5,000	2,000	2,000	103,510	4,600	1,680,151
Hoop Nets							
No.		1	7	1	53	128	1,409
Value$		800	1,000	1,500	15,900	35,950	731,700
Seine Nets							
Metres		-	-	-	-	201	11,009
Value$		-	-	-	-	1,100	93,000
Night Lines							
No.		-	-	-	-	1,600	73,384
Value$		-	-	-	-	505	50,656
Dip Nets							
No.		-	-	4	22	-	49
Value$		-	-	80	1,045	-	1,877
Trawl Nets							
No.		-	-	5	-	-	341
Value$		-	-	10,000	-	-	786,085
Trammel Nets							
Metres		-	-	-	-	67	87
Value$		-	-	-	-	600	14,400

		Georgian Bay	North Channel	Lake Superior	Northern Inland Waters	Southern Inland Waters	Total
SHORE INSTALLATIONS							
Freezers & Icehouses	No.	15	8	5	109	13	230
	Value $	67,000	74,500	33,500	561,719	3,563	2,223,957
Piers & Wharves	No.	7	4	9	80	4	191
	Value $	42,400	4,883	21,300	169,570	2,300	599,407
Net Sheds	No.	10	10	8	69	10	348
	Value $	87,600	56,576	24,000	149,989	18,060	3,504,229
Misc.	Value$	-	-	-	80,000	-	149,435
NEW CAPITAL INVESTMENT							
Engines	Value $	2,826	400	6,658	58,893	3,850	393,354
Hulls	Value $	-	-	6,650	26,945	-	1,298,684
Fishing Gear	Value $	26,983	32,323	18,231	82,302	3,373	1,669,812
Wheelhouse Equip.	Value $	10,136	4,881	6,500	12,913	-	254,588
Other Equipment	Value $	-	-	650	-	-	6,820
TOTAL NEW CAPITAL INVESTMENTS		39,945	37,604	38,689	181,053	7,223	1,231,371

TOTAL INVESTMENT	
Georgian Bay	1,234,129
North Channel	575,443
Lake Superior	791,877
Northern Inland Waters	2,598,392
Southern Inland Waters	113,851
TOTAL	53,325,001

COMMERCIAL FISH INDUSTRY

Commercial Fish Harvest - January to December 1984

shown in kilograms and dollar value

Species	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay
Bowfin	55	11,008	6,243	-	-
Bullhead	187,817	22,173	521	15	162
Burbot (ling)	-	494	-	11,967	3,592
Carp	36,924	40,861	27,925	12,446	1,218
Catfish	9,151	27,623	27,006	28,286	671
Chub (Deepwater Cisco)	-	-	-	454,456	179,055
Crappie	13,457	9,375	128	-	-
Eel	112,534	540	7	-	-
Lake Herring	1,987	-	-	1,861	11,449
Lake Trout	861	327	-	26,213	4
Lake Whitefish	32,984	5,372	-	895,579	59,171
Freshwater Drum	826	231,899	2,409	25,383	302
Northern Pike	1,228	6,487	1,221	154	1,437
Pacific Salmon	-	-	-	2,193	28
Rock Bass	8,208	12,051	1,102	1,739	453
Round Whitefish	-	4	-	5,511	8,387
Sauger	-	-	-	5	96
Shad	-	4,253	-	805	-
Smelt	15,028	7,468,616	-	301	788
Splake	-	-	-	-	8,095
Sturgeon	63	35	32	1,295	-
Sucker	30,785	7,842	6,125	24,921	12,188
Sunfish	60,330	30,823	6	2	-
White Bass	8,218	1,990,293	2,898	7,991	-
White Perch	30,152	320,303	198	154	-
Yellow Perch	381,009	4,092,461	2,123	211,563	31,971
Yellow Pickerel	556	1,864,574	69	128,669	4,909
Animal Food	28,926	296,608	-	58,662	465
Total Landings (kg)	961,099	16,444,022	78,013	1,900,171	324,441
Total Value ($)	1,698,354	25,805,072	53,627	3,932,321	493,143

COMMERCIAL FISH INDUSTRY

Commercial Fish Harvest - January to December 1984

shown in kilograms and dollar value

Species	North Channel	Lake Superior	Northern Inland Waters	Southern Inland Waters	Total Landings (kg)	Total Value ($)
Bowfin	-	-	-	-	17,306	6,566
Bullhead	-	-	53	3,757	214,498	197,171
Burbot (ling)	1,064	-	21,407	431	38,955	3,931
Carp	593	-	-	11,538	131,505	30,015
Catfish	140	-	18	3,606	96,501	98,555
Chub (Deepwater Cisco)	16	63,429	48,412	-	745,368	1,380,800
Crappie	4	-	7,163	1,141	31,268	80,751
Eel	-	-	-	800	113,881	225,724
Lake Herring	2,459	896,716	11	-	914,483	445,492
Lake Trout	437	145,577	19,159	-	192,578	386,307
Lake Whitefish	174,432	179,148	546,446	-	1,893,132	2,885,921
Freshwater Drum	-	-	-	-	260,819	50,440
Northern Pike	7,986	-	92,910	-	111,423	86,472
Pacific Salmon	315	-	-	-	2,536	4,998
Rock Bass	499	-	3	835	24,890	26,612
Round Whitefish	1,978	18,405	22	-	34,307	18,498
Sauger	-	-	14,799	-	14,900	27,075
Shad	-	-	-	-	5,058	318
Smelt	220	-	-	-	7,484,953	1,599,925
Splake	1,139	-	-	-	9,234	18,433
Sturgeon	-	-	6,515	-	7,940	37,316
Sucker	18,231	70,607	101,419	459	272,577	52,194
Sunfish	131	-	-	13,420	104,712	109,687
White Bass	-	-	-	93	2,009,493	1,878,271
White Perch	-	-	-	-	350,807	338,374
Yellow Perch	54,220	37,694	644	2,501	4,814,186	18,306,748
Yellow Pickerel	10,574	621	270,364	-	2,280,336	6,796,911
Animal Food	59,063	23,037	16,881	5,591	489,233	12,100

TOTAL LANDINGS (kg)		TOTAL VALUE ($)
North Channel	333,501	609,151.00
Lake Superior	1,435,234	1,124,474.78
Northern Inland Waters	1,146,226	1,336,872.84
Southern Inland Waters	44,172	52,591.26
Total Landings	22,666,879	-
Total Value	-	35,105,606.46

ONTARIO COMMERCIAL FISH HARVEST

by species in 000s kg and $000s

Species	1980	1981	1982	1983	1984	1984 Value
Bowfin	9	20	13	45	18	7
Bullhead	241	234	204	221	215	197
Burbot (ling)	108	182	81	72	39	4
Carp	121	208	158	181	132	30
Catfish	85	117	96	111	97	99
Chub (Deepwater Cisco)	446	394	308	520	746	1,381
Pacific Salmon	17	38	27	69	3	5
Eel	168	112	32	69	114	226
Freshwater Drum	179	257	230	188	261	51
Goldeye	-	-	-	-	-	-
Lake Herring (Cisco)	1,464	1,456	1,122	589	915	446
Lake Trout	278	227	258	262	193	387
Lake Whitefish	1,681	1,748	1,765	2,226	1,894	2,886
Northern Pike	267	296	321	278	112	87
Rock Bass & Crappie	75	64	58	78	57	108
Round Whitefish	75	57	35	27	35	19
Sauger	17	20	28	20	15	28
Smelt	11,336	13,944	19,611	13,316	7,585	1,600
Splake	39	57	40	29	9	19
Sturgeon	21	20	20	22	8	38
Sucker (Mullet)	563	606	626	484	273	52
Sunfish	118	126	130	111	105	110
White Bass	904	896	1,579	2,076	2,010	1,878
White Perch	57	47	39	74	351	339
Yellow Perch	6,236	4,784	4,962	3,473	4,814	18,307
Yellow Pickerel	1,343	1,476	1,368	1,841	2,281	6,797
Animal Food	637	772	688	828	490	12
Total Landings	26,485	28,158	33,799	27,210	22,672	-
Total Landed Value	$23,644	$31,767	$36,788	$27,837	-	$35,113

ONTARIO COMMERCIAL FISH HARVEST

by waters in 000s kg. and $000s

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay
1980	891	19,490	37	1,083	361
1981	1,163	20,334	93	1,461	346
1982	939	26,989	153	1,324	269
1983	1,025	20,363	122	2,126	270
1984	961	16,444	78	1,900	325

Year	North Channel	Lake Superior	Northern Inland Waters	Southern Inland Waters	Total	Total $
1980	158	2,151	2,080	234	26,485	23,644
1981	314	2,060	2,154	233	28,158	31,767
1982	322	1,515	2,091	197	33,799	36,788
1983	381	1,079	1,691	153	27,210	27,837
1984	334	1,435	1,146	44	22,667	35,106

LAKE ONTARIO COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Bullhead and Catfish	Carp	Eel	Lake Herring	Smelt	Sunfish
1980	176	-	164	5	22	72
1981	154	73	109	2	34	60
1982	120	13	29	2	37	69
1983	141	43	67	3	44	58
1984	197	37	113	2	15	61

Year	White Perch	Yellow Perch	Other Species	Total	Total $
1980	55	265	132	891	1,147
1981	48	563	120	1,163	1,930
1982	34	539	96	939	1,905
1983	29	580	60	1,025	1,880
1984	30	381	125	961	1,698

LAKE ERIE COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Bullhead and Catfish	Carp	Freshwater Drum	Smelt	White Bass
1980	56	10	151	11,296	888
1981	76	15	212	13,790	881
1982	54	19	190	19,556	1,556
1983	70	89	145	13,270	2,060
1984	50	41	232	7,469	1,991

Year	Yellow Perch	Yellow Pickerel	Other Species	Total	Total $
1980	5,674	800	615	19,490	14,024
1981	3,795	956	609	20,334	20,261
1982	4,134	909	571	26,989	26,183
1983	2,539	1,400	790	20,363	17,748
1984	4,093	1,865	703	16,444	25,805

LAKE ST. CLAIR COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Bullhead and Catfish	Carp	Freshwater Drum	Northern Pike	Rock Bass & Crappie
1980	7	14	5	1	1
1981	22	34	11	1	1
1982	30	74	17	1	2
1983	26	19	16	2	3
1984	28	28	3	2	2

Year	Sucker	White Bass	Yellow Perch	Other Species	Total	Total $
1980	5	2	-	2	37	23
1981	11	5	1	7	93	53
1982	15	8	1	5	153	77
1983	26	6	5	9	122	76
1984	6	3	2	4	78	78

LAKE HURON COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Carp	Chub	Lake Herring	Lake Whitefish	Round Whitefish
1980	15	101	3	524	6
1981	14	219	3	594	4
1982	13	194	4	702	4
1983	12	252	11	1,300	4
1984	13	455	2	896	6

Year	Sucker (Mullet)	Yellow Perch	Yellow Pickerel	Other Species	Total	Total $
1980	18	201	124	91	1,083	2,369
1981	49	246	124	208	1,461	3,255
1982	63	135	117	92	1,324	2,833
1983	30	227	129	161	2,126	4,231
1984	25	212	129	162	1,900	3,933

GEORGIAN BAY COMMERCIAL FISH HARVEST

by species 000s kg. and $000s

Year	Carp	Chub	Lake Herring	Lake Whitefish	Round Whitefish
1980	7	77	20	88	15
1981	2	57	12	105	8
1982	2	57	12	77	9
1983	1	124	10	37	6
1984	2	179	12	60	9

Year	Sucker (Mullet)	Yellow Perch	Yellow Pickerel	Other Species	Total	Total $
1980	41	36	11	66	361	505
1981	28	49	11	74	346	669
1982	20	39	9	44	269	504
1983	22	29	7	34	270	478
1984	12	32	5	14	325	493

NORTH CHANNEL COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Smelt	Lake Whitefish	Northern Pike	Round Whitefish	Sturgeon
1980	-	73	6	1	4
1981	-	120	13	2	3
1982	-	171	9	1	2
1983	-	200	7	3	2
1984	-	175	8	2	-

Year	Sucker (Mullet)	Yellow Perch	Yellow Pickerel	Other Species	Total	Total $
1980	34	7	13	20	158	279
1981	26	52	20	78	314	526
1982	27	39	20	53	322	618
1983	17	38	10	104	381	554
1984	19	55	11	64	334	609

LAKE SUPERIOR COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Chub	Lake Herring	Lake Trout	Lake Whitefish	Smelt
1980	240	1,282	212	225	17
1981	91	1,327	176	173	42
1982	18	901	189	164	17
1983	31	563	185	133	-
1984	64	897	146	179	-

Year	Sucker (Mullet)	Yellow Perch	Yellow Pickerel	Other Species	Total	Total $
1980	77	38	-	60	2,151	2,606
1981	110	61	-	80	2,060	2,246
1982	124	61	1	40	1,515	2,063
1983	105	40	-	22	1,079	1,297
1984	71	38	-	40	1,436	1,124

NORTHERN INLAND WATERS COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Burbot	Chub	Lake Herring	Lake Trout	Lake Whitefish
1980	91	27	154	32	765
1981	169	26	106	18	745
1982	70	40	200	48	629
1983	58	112	-	18	539
1984	39	48	-	19	547

Year	Northern Pike	Sucker (Mullet)	Yellow Pickerel	Other Species	Total	Total $
1980	226	337	337	111	2,080	2,533
1981	246	358	363	123	2,154	2,641
1982	275	341	311	177	2,091	2,426
1983	248	259	292	165	1,691	1,421
1984	93	102	271	46	1,147	1,337

SOUTHERN INLAND WATERS COMMERCIAL FISH HARVEST

by species in 000s kg. and $000s

Year	Bullhead & Catfish	Carp	Lake Whitefish	Rock Bass & Crappie	Sucker (Mullet)
1980	57	71	-	4	15
1981	63	69	-	8	4
1982	63	34	-	11	19
1983	54	16	-	8	1
1984	8	12	-	3	1

Year	Sunfish	White Perch	Yellow Perch	Other Species	Total	Total $
1980	29	2	11	45	234	157
1981	34	3	15	37	233	186
1982	34	1	10	25	197	181
1983	26	5	12	31	153	152
1984	14	-	3	3	44	53

EMPLOYMENT AND INVESTMENT IN ONTARIO COMMERCIAL FISHERY

Year	Employees	40' & Over	Under 40'	Gill M 000s	Pound Nets	Trap Nets	Hoop Nets
1980	1964	213	837	12,068	172	556	1630
1981	2043	237	885	12,616	160	689	1430
1982	2106	238	980	12,735	269	732	1504
1983	1981	251	770	12,579	207	776	1648
1984	1588	208	708	12,676	252	746	1409

Year	Seine M 00s	Freezers & Ice Houses	Wharves and Piers	Net Sheds	New Invest. $000s	Total Value $000s
1980	75	317	250	457	3,714	41,481
1981	77	291	275	476	5,447	54,676
1982	78	322	277	482	3,655	57,345
1983	89	277	243	444	3,327	58,775
1984	110	230	191	348	12,314	533,250

OUTDOOR RECREATION GROUP

ENFORCEMENT STATISTICS 1986-87

District or Region	No. of Field Conservation Officers	No. of Deputy Conservation Officers	No. of Contacts by Conservation Officers	No. of F & W Warnings
Algonquin	25.5	60	33,721	1,523
Central	30.5	85	74,887	3,985
Eastern	29.5	31	65,638	2,222
Northern	26.5	34	64,312	1,326
North Central	23	20	35,085	1,388
Northeastern	35	66	53,708	1,421
Northwestern	26	16	52,625	1,216
Southwestern	30.5	100	58,616	2,181
Total	226.5	412	438,592	15,262

District or Region	No. of F & W Charges	No. of Other Charges	Total Amt. of F & W Charge Fines	Total Amt. of Other Charge Fines	Total Amt. of Fines
Algonquin	886*	757*	$ 67,722.00	$ 42,085.00	$109,807.00
Central	1,265	461	119,915.00	30,750.00	150,665.00
Eastern	975	544	59,522.37**	29,281.00	88,833.37
Northern	920	52	66,415.98	8,088.73	73,504.71
North Central	688	173	57,256.90	5,961.25	63,218.15
Northeastern	816	5	89,108.19	1,492.00	96,306.19
Northwestern	921	329	71,759.07	20,133.04	91,892.11
Southwestern	870	2,129***	67,613.00	143,497.00	211,110.00
Total	7,341****	4,450****	599,342.51**	281,288.02	885,336.53

* In Algonquin Region -- Park Warden laid 614 charges, DCO's laid 38 charges and fire personnel laid 38 charges.

** In addition to monetary fines -- convicted persons served 140 days incarceration and performed 90 hours of community service work.

*** 1,961 of this total are charges laid by Park Wardens.

**** Total number of charges: 11,791

LANDS AND WATERS GROUP

Room W-6626, Main Office Telephone (416) 965-6045

Executive Co-ordinator.....	Mike Garrett.....	W-6626...5-6046
Administrative Assistant.....	Wendy Ko.....	W-6623...5-1075
Co-ordinator, Group Projects...	Colin Turnpenney.....	W-6625...5-5067

LAND MANAGEMENT BRANCH

Room W-6643, Main Office Telephone (416) 965-1316

Branch Director.....	Sherry Yundt.....	W-6643...5-1498
Secretary.....	Barbara Bourne.....	W-6643...5-1316
Admin. Asst.....	Charmaine Andrews.....	W-6643...5-1316
Training Co-ordinator.....	vacant.....	W-6644...5-1607
Fuel Minerals Legislation Specialist.....	Sid Keen.....	W-6627...5-4599
Public Lands Section Supervisor.....	John Morton.....	W-6603...5-2741
Public Lands Management.....	Lloyd Fleguel.....	W-6621...5-4507
Water Power & Peat Co-ordinator	Ian Crawford.....	W-6621...5-2743
Land Appraisals and Property Management Officer.....	Cathy Douglas.....	W-6629...5-2742
Land Management Planning.....	Norman Gordon.....	W-6604...5-2742
Land Acquisition Officer.....	Tony D'Angelo.....	W-6629...5-2743
Field Advisory Officer.....	Cathy Hawthorne.....	W-6621...5-4507
	Terry Laldee.....	W-6621...5-2743
Titles Section Manager.....	Gary Sherman.....	W-6645...5-1319
Document Officer.....	Chris Egerton.....	W-6645...5-1319
Acreage Tax Administrator.....	Doris Holland.....	W-6645...5-1319
Records Officer.....	Roy Dixon.....	W-6645...5-1319
Land Records Manager.....	Vic Prasad.....	W-6645...5-1319
Access Roads Section Manager.....	Peter Brook.....	W-6646...5-5735
Policy Develpment Officer.....	vacant.....	W-6646...5-5735
Aggregate Resources Section Manager.....	Dale Scott.....	W-4646...5-1172
Aggregate Enforcement Policy Advisor.....	John Masham.....	W-4647...5-3127
Aggregate Policy Development Officer.....	Bill Murch.....	W-4645...5-3127
Pits & Quarries Rehabilitation Specialist.....	Brian Messerschmidt.....	W-4642...5-3127
Projects Officer.....	Geoff Bell.....	W-4643...5-3127
Fuel Minerals Manager.....	Ray Pichette.....	W-6641...3-1882
Senior Policy Advisor.....	John Fox.....	W-6641...3-1882
Secreatry.....	Margaret Phillip.....	W-6644...3-1882

PUBLIC LANDS in years ending March 31

Year	Patents		Leases		Licences of Occupation	
	No.	ha	No.	ha	No.	ha
1982	690	2,385	211	448	113	845
1983	1,093	1,517	114	208	96	472
1984	1,324	8,674	110	365	90	106
1985	1,591	1,788	100	189	101	92
1986	1,050	5,363	74	68	84	550
1987	326	917	96	186	51	28

LANDS ACQUIRED BY CROWN in years ending March 31

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Forfeitures
	ha	ha	ha	ha
1982	492	-	722	6,275
1983	661	-	1,402	4,047
1984	482	1	520	2,832
1985	757	-	711	4,047
1986	440	130	734	497
1987	407	-	-	-

USE OF ACQUIRED LANDS areas in hectares, years ending March 31

Year	Provincial Parks	Lands General	Sport Fisheries	Wildlife Mgmt.	Timber Mgmt.	Total	Interim Property Mgmt.
	ha	ha	ha	ha	ha	ha	
1982	588	32	47	24	31	722	26,633
1983	261	56	146	213	726	1,402	25,113
1984	420	2	-	-	98	520	20,280
1985	504	79	4	101	23	711	13,687
1986	151	243	1	73	266	734	14,421
1987	562	74	-	542	388	1,566	-

VALUE OF ONTARIO FUEL & STRUCTURAL MATERIALS OUTPUT BY MNR REGION

REGION	1984 $	1985 $
ALGONQUIN REGION		
Structural Materials	8,539,362	13,523,040
CENTRAL REGION		
Natural Gas, Petroleum	1,119,386	1,017,119
Structural Materials	358,368,545	420,122,725
	359,487,931	421,139,844
EASTERN REGION		
Structural Materials	131,719,952	143,658,508
NORTH CENTRAL REGION		
Structural Materials	7,945,640	6,676,262
NORTHERN REGION		
Structural Materials	4,602,866	2,747,822
NORTHEASTERN REGION		
Structural Materials	33,387,954	37,474,486
NORTHWESTERN REGION		
Structural Materials	11,301,325	16,308,817
SOUTHWESTERN REGION		
Natural Gas, Petroleum	84,622,963	96,863,291
Structural Materials	165,830,847	191,279,272
	250,453,810	288,142,563
ONTARIO TOTAL	807,438,840	929,671,342

ONTARIO FUELS & STRUCTURAL MATERIALS PRODUCTION IN 1985 AND 1986

	Unit	1985 Quantity	1985 Value $	1986 Quantity	1986 Value $
FUELS					
Natural Gas	000 cu.m.	589,863	73,143,000	532,435	68,774,630
Petroleum	cu.m.	112,953	24,737,000	135,816	17,343,707
Total Value, Fuels			97,880,000		86,118,337
STRUCTURAL MATERIALS					
Clay Prod.	-	N/A	86,653,738	N/A	98,000,000
Cement	tonne	3,589,916	265,048,133	3,965,000	282,189,000
Lime	tonne	1,652,463	109,975,700	1,633,000	140,421,000
Sand & Gravel	tonne	64,184,285	158,346,951	69,250,000	167,400,000
Stone	tonne	45,854,480	211,766,410	48,000,000	220,000,000
Total Value, Structural Materials			831,790,932		908,010,000
TOTAL			$929,670,932		$994,128,337

N.B. Source of statistics is 1986 Ontario Mineral Score, published by Mineral Statistics Section, Ministry of Northern Development and Mines.

1986/87 MNR ROADS PROGRAM

REGION	kms Con./Recon.	Bridges Con./Recon	Expenditures ($000s)	kms Maintained	Expenditures ($000s)
NORTHERN ONTARIO					
Northwestern	6.3	-	265.3	495.8	330.1
North Central	45.3	-	868.9	1,394.3	414.6
Northern	48.0	-	638.9	819.1	656.0
Northeastern	18.0	13	966.0	1,411.5	371.7
Sub Totals	117.6	13	2,739.1	4,120.7	1,772.4
SOUTHERN ONTARIO					
Algonquin	9.5	-	87.6	636.2	277.7
Eastern	2.0	-	9.3	391.0	126.2
Central	1.0	-	2.0	72.2	69.8
Southwestern	-	-	-	33.6	5.9
Sub Totals	12.5	-	98.9	1,133.0	479.6
PROVINCIAL TOTALS	130.1	13	2,838.0	5,253.7	2,252.0

Program includes: Forest Access, Agreement Forest, Cottage Access, Ministry Service, Recreation, Public Transport and Private Forest Roads.

1986/87 NORTHERN ONTARIO RESOURCES
TRANSPORTATION COMMITTEE - DIRECT PROGRAM (MNR portion only)

REGION	kms Con./Recon.	Bridges Con./ Recon.	Expendi-tures ($000s)	kms Main-tained	Expendi-tures ($000s)	kms Winter Road	Expendi-tures ($000s)
Northwestern	22.1	-	1,388.8	120.0	53.0	235	356.4
North Central	-	-	-	-	-	-	-
Northern	7.0	-	465.7	-	-	301	120.2
Northeastern	35.0	-	413.9	12.0	10.0	-	-
TOTAL	64.1	-	$2,268.4	132.0	$63.0	536	$476.6

1986/87 NORTHERN ONTARIO RESOURCES TRANSPORTATION
COMMITTEE - INDIRECT PROGRAM (COMPANY) - (MNR Portion Only)

REGION	kms Con./Recon	Bridges Con./Recon.	Expenditures ($000s)
Northwestern	40.4	-	601.8
North Central	13.6	-	206.0
Northern	8.8	-	348.7
Northeastern	33.0	-	412.1
Algonquin	3.1	-	75.9
TOTAL	98.9	-	$1,644.5

TOTAL N.O.R.T.C. EXPENDITURE - $4,452.5

1986/87 FOREST MANAGEMENT AGREEMENT PROGRAM*

REGION	kms Con./Recon.	Expenditures ($000s)	kms Maintained	Expenditures ($000s)
Northwestern	198.2	4,892.6	634.5	219.1
North Central	343.1	8,060.0	485.4	308.8
Northern	475.1	12,496.5	1,966.8	932.4
Northeastern	273.1	5,155.2	534.7	250.8
TOTAL	1,289.5	30,604.3	3,621.4	$1,783.1

* The FMA Program is funded in accordance with agreements between MNR and forest companies.

1986/87 RESOURCE ACCESS PROGRAM SUMMARY
MNR ROAD & BRIDGE CONSTRUCTION & MAINTENANCE

Crown	MNR Roads Program	NORTC Program	COFRDA Program	FMA Program	Totals
Road Con./ Recon. (kms)	130.1	64.1	57.6	-	251.8
Expenditures ($000s)	2,838.0	2,268.4	2,507.1	-	7,613.5
Road Maintained (kms)	5,253.7	130.0	-	-	5,385.7
Expenditures ($000s)	2,252.0	63.0	-	-	2,315.0
Winter Roads Maintained (km)	-	536.0	-	-	536.0
Expenditures ($000s)	-	476.6	-	-	476.6

ROADS & BRIDGES CONSTRUCTED & MAINTAINED
BY COMPANIES UNDER AGREEMENT

Company	NORTC Program	COFRDA Program	FMA Program	Totals
Road Con./ Recon. (kms)	98.9	79.9	1,289.5	1,468.3
Expenditures ($000s)	1,644.5	810.9	30,604.3	33,059.7
Road Maintained (kms)	-	-	3,621.4	3,621.4
Expenditures	-	-	1,783.1	1,783.1

Lands and Waters Group

SURVEYS, MAPPING AND REMOTE SENSING BRANCH
90 Sheppard Ave. East, 4th Floor, North York, Ont. M2N 3A1

Director	Dr. J. M. (George) Zarzycki	733-5083
Special Projects	Cy Osborne	733-5087
Technical Assistant	Brian Jackson	733-5084
Geographical Information Services		
General Manager	Zul Jiwani	733-5145
A/Manager, GIS Applications and Technology Transfer	Gabriella Zillmer	733-5113
A/Manager, Digital Topographic Data Base	Barry Costello	733-5114
A/Manager, Topographic Mapping	Roy Audas	733-5090
Manager, Thematic Mapping	Fred Dawson	733-5126
Geomatic Analyst	C. Broughton	733-5044
Ontario Centre for Remote Sensing		
Associate Director	Victor Zsilinszky	733-5147
Chief Scientist	Dr. Simsek Pala	733-5067
Senior Scientist	Andrew Jano	733-5068
Staff Scientist	Tracey J. Ellis	733-5072
Staff Scientist	John Fischer	733-5075
Staff Scientist	Richard Mussakowski	733-5070
Staff Scientist	David White	733-5071
Systems Manager	David Derrick	733-5073
Senior Research Engineer	Vernon Singhroy	733-5074
Airborne Program Co-ordinator	D. Ian Ross	733-5155
Staff Scientist	Norman Goba	733-5269
Airborne Program Specialist	E. Ted Senese	733-5079
Photo Research Lab Supervisor	Dusan Klimes	733-5081
Surveying Services		
Surveyor General	S. B. (Barney) Panting	733-5142
A/Manager, Surveys	Richard F. Weatherbe	733-5103
Asst. Mgr. Technical Services	J. A. (Jim) MacIntosh	733-5101
Asst. Mgr. Legal Descriptions & Research	vacant	733-5100
Senior Survey Plan Examiner	Robert Stocker	733-5102
Survey Records Information	Dennis E. Jeanes	733-5109
Geographic Names Manager	Michael B. Smart	733-5110
Manager, Geodetic Surveys	Kevin M. Kelly	733-5138
Manager, Drafting Services	Dave Robeson	733-5130

MAPPING SERVICES
ONTARIO BASIC MAPPING

1:20000 , 1:10000 scales

Completed.

In progress.

To be mapped.

1:2000 scale

157 *Municipalities completed*
8 *Municipalities in progress*

SURVEYING SERVICES

Area of original township surveys.

Township boundaries resurveyed / restored.

10160 *kms completed.*

SURVEYING SERVICES

Township Boundary Resurvey Program

Year	Km. Resurveyed
1961-62	334.34
1962-63	277.93
1963-64	276.89
1964-65	604.39
1965-66	601.94
1966-67	466.07
1967-68	419.07
1968-69	442.59
1969-70	424.87
1970-71	494.71
1971-72	529.47
1972-73	388.93
1973-74	306.95
1974-75	395.11
1975-76	277.82
1976-77	324.82
1977-78	328.31
1978-79	494.39
1979-80	525.29
1980-81	461.72
1981-82	407.57
1982-83	405.30
1983-84	307.50
1984-85	276.00
1985-86	251.60
1986-87	274.60
Total	10,297.60

CROWN LAND SURVEY PLAN EXAMINATIONS

Year	No. Plans Examined
1979-80	317
1980-81	323
1981-82	641
1982-83	791
1983-84	831
1984-85	501
1985-86	448
1986-87	620

DESCRIPTIONS PREPARED

Year	No. Descriptions Prepared
1979-80	903
1980-81	779
1981-82	1,052
1982-83	1,585
1983-84	2,119
1984-85	1,618
1985-86	2,030
1986-87	1,936

PROVINCIAL HORIZONTAL CONTROL SURVEY

Data Base COSINE

Year	Stations Loaded
1981-82	10,000
1982-83	13,000
1983-84	11,000
1984-85	3,000
1985-86	3,500
1986-87	1,500
Total	42,000

PRECISE CALIBRATION BASELINE INSTALLATION

Year Installed	Baseline Name
1977-78	Mississauga
1979-80	Scarborough
1980-81	Burlington
1981-82	London
1982-83	Belleville
1983-84	Lindsay & Conestoga
1985-86	Thunder Bay
1986-87	Barrie

Lands and Waters Group

OFFICE OF INDIAN RESOURCE POLICY

Room 6527, Whitney Block Telephone (416) 965-6045

Director	Ted Wilson	W-6527...5-6045
Secretary	Wendy Ko	W-6527...5-6045
Indian Resource Policy Advisor	Jim Gosnell	W-6529...5-5201
Indian Resource Policy Analyst	Barbara Anderson	W-6530...5-5201
Indian Resource Policy Analyst	Jackie Hogan	W-6530...5-5201
Secretary	Vivian Zoras	W-6529...5-5201
Senior Indian Land Claims Analyst	Lise Hansen	W-6528...5-5201
Senior Indian Land Claims Researcher	David McNab	W-6526...5-5201
Indian Land Claims Researcher	Gwynneth Jones	W-6530...5-5201
Indian Land Claims Researcher	Deborah Doxtator	W-6530...5-5201
Indian Land Claims Resercher	Victor Lytwyn	W-6530...5-5201
Secretary	Pat Williams	W-6530...5-5201

Lands and Waters Group

CONSERVATION AUTHORITIES AND WATER MANAGEMENT BRANCH

Section 6, 5th Floor, Main Office Telephone (416) 965-6285

Branch Director.....	Maurice Lewis.....	W-5620...5-6287
CONSERVATION AUTHORITIES SECTION		
Manager.....	Richard Hunter.....	W-5620...5-6285
Co-ordinator, Technical Systems..	Guirish Sardesai.....	W-5620...5-6275
Administrative Assistant.....	Devvy Green.....	W-5620...5-6270
Planning Systems Co-ordinator....	Tom Farrell.....	W-5620...5-6286
Librarian.....	Alaine Perrigo.....	W-5641...5-4481
Supervisor, Program Implementation and Evaluation....	Glenn Price.....	W-5620...5-6285
Land and Related Services Co-ordinator.....	Ray Dickie.....	W-5620...5-1573
CA Transfer Payment Co-ordinator	Mary Willard.....	W-5620...5-7694
Special Employment Co-ordinator..	Sharon Court.....	W-5641...5-1799
Shoreline Management Planner.....	vacant	
TECHNICAL SERVICES SECTION		
A/Manager.....	Robert Chang.....	W-5620...5-6295
Flood Damage Reduction Program Co-ordinator.....	Christine Kowalyk.....	W-5620...5-6281
Supervisor, Streamflow Forecast Centre.....	Peter Gryniewski.....	W-5636...5-6292
Head, Hydrometeorological Unit...	Rob Fox.....	W-5636...5-6293
Emergency Mgmt. Co-ordinator.....	Lou Balogh.....	W-5636...5-6277
Head, Great Lakes Water Quality Management.....	Dave Strelchuk.....	W-5620...5-1271
A/Supervisor, Models and Consultative Services.....	Mac Odell.....	W-5620...5-1271
Head, Model Development.....	John Ding.....	W-5641...5-1271
Water Resource Engineer.....	Alex Harrington.....	W-5641...5-1271
Shoreline Management Engineer....	vacant	

GRANTS TO CONSERVATION AUTHORITIES
UNDER THE CONSERVATION AUTHORITIES ACT

in years ending March 31

Year	Administration $	Water and Related Land Mgmt $	Conservation and Recreation Land Mgmt $	Lake Ontario Waterfront $	Total $
1981	5,202,220	27,724,128	3,436,411	1,500,342	37,863,102
1982	5,517,581	26,496,443	2,953,315	1,469,780	36,437,119
1983	6,591,399	26,693,614	3,130,218	1,574,000	40,989,231
1984	7,098,874	26,852,944	3,751,372	-	37,703,190
1985	7,483,719	25,023,841	4,223,991	-	36,731,551
1986	7,824,046	24,695,257	4,380,850	-	36,900,153
1987	8,284,039	24,576,681	9,562,119	-	42,422,839

Sources of Funding (1985):

Total Provincial Government Grants	40,651,103
Federal Government Grants	2,691,536
Total Municipal Levies	31,053,859
Authority Generated Revenues	19,988,963
TOTAL	94,385,461

GENERAL INFORMATION

Number of Conservation Authorities established in Ontario		38
Number of square kilometres within the jurisdiction of conservation Authorities		112,861
Municipalities participating in one or more Conservation Authorities	Regional	11
	Local	497
Members appointed to Conservation Authorities	Elected	560
	Non-elected	362
Staff Positions	Permanent	882
	Casual	1,815
	Special Employment	2,587

1985 RECREATIONAL PROGRAMS:

Gross Revenues from Recreation Programs	8,319,317
Operating Expenses re: Recreational Programs	11,292,592
Net Cost of Recreational Programs	2,973,275

PUBLIC RECREATIONAL USE OF CONSERVATION AREAS, 1984

Group Camping Nights	103,242
Family Camping Nights	982,886
Day Use	4,473,466

CONSERVATION SERVICES PROGRAM 1984

Number of landowners provided with direct technical assistance	2,643
Number of trees and shrubs planted	2,485,926

FLOOD CONTROL MEASURES IMPLEMENTED:

No. of metres of stream channel constructed	1985	3,900
	1984	4,880
	prior to 1984	197,790
No. of metres of watercourses dyked	1985	5,672
	1984	4,390
	prior to 1984	67,524

EROSION CONTROL MEASURES IMPLEMENTED

No. of metres of erosion control	1985	14,814
	1984	13,477
measures constructed	prior to 1984	75,124

FLOOD PLAIN MAPPING AND FILL LINE MAPPING COMPLETED

km of watercourses mapped for <u>both</u> flood plain <u>and</u> fill line delineations	1985	319
	1984	541
	prior to 1984	9,642
km of watercourses mapped for flood plain delineation <u>only</u>	1985	102
	1984	412
	prior to 1984	1,076
km of watercourses mapped for fill line delineation <u>only</u>	1985	669
	1984	504
	prior to 1984	7,466

CURRENT, FEE SIMPLE LAND OWNERSHIP BY CONSERVATION AUTHORITIES TO 1985

Flood Plains	25,093 ha
Shorelines	3,107 ha
Wetlands	15,843 ha
Agreement Forests	38,084 ha
Non-agreement Forests	13,122 ha
Wildlife Areas	8,139 ha
Recreation Lands	19,868 ha
Other	7,175 ha
TOTAL	130,431 ha

MUNICIPAL PLAN INPUT AND REVIEW 1985

No. of documents reviewed:	
Official Plans	1,198
Zoning Bylaws	6,673
Subdivisions	958
Minor Variances/Consents	11,662
Development Control	2,638
Property Clearances	14,603

FILL AND CONSTRUCTION REGULATION ENFORCEMENT 1985

No. of permits granted	2,677
No. of permits refused	124
No. of violation notices issued	213
No. of appeals to Ontario Mining and Lands Commissioner	13

AVIATION AND FIRE MANAGEMENT CENTRE

Box 310, Sault Ste. Marie, Ontario P6A 5L8
Telephone (705) 942-1800
Telex 067-77166 (Aviation), 067-77134 (Fire Management)

Director	Lou Lingenfelter	(705) 942-1800
Secretary	Helena Paciepnik	1800
Co-ordinator, Management & Planning	Glenn Doan	1800
Communications Officer	Bob Thomas	1800
Finance and Administration Spvr.	Bill Sinclair	1800
Group Personnel Officer	Julie Byer	1800
Purchasing Officer	Edith Esson	1800
Fire Management Section		
Assistant Director, Fire	Michael Willick	1800
Supervisor, Provincial Fire Operations	Tom Campbell	1800
Provincial Fire Centre Manager	George Koistinen	1800
Supervisor, Research & Development	Paul Ward	1800
Systems Co-ordinator	Ron Cote	1800
Fire Management Education Co-ordinator	Bruce Little	1800
Aviation Section		
A/Assistant Director, Aviation	George Willoughby	1800
A/Chief Pilot	Floyd Swant	1800
Maintenance Superintendent	George Willoughby	1800
Assistant Supt. Maintenance		
Airframe Section	Guy Larocque	1800
Engine Section	Paul Holder	1800
Quality Control Inspector	Steve Denley	1800
Communications Section		
Communications Supervisor	Henry Kling	1800
Avionics Co-ordinator	Paul Quinn	1800
Ground Communications Supvr	John Tidman	1800
Executive Flight Operations, Malton		
Flight Operations Manager	Jamie Sargent	(416) 678-1173
Assistant Manager, Flight Operations	vacant	(416) 678-1173
Regional Pilot	Al Bieck	(416) 678-1173
China Project		
Canadian Project Director	Merrill Rush	(705) 942-1800

FOREST FIRE RECORD

Areas in hectares

Year	Damage $	Private Property Damage $	Area Burned Over			Number of Fires	Area per Fire
			Crown ha	Private ha	Total ha		
1917	-	-	-	-	155,466	1,110	140
1918	-	-	-	-	12,210	965	12
1919	-	-	-	-	373,186	1,780	210
1920	-	-	-	-	145,222	1,287	113
1921	-	-	-	-	303,326	1,269	239
1922	-	-	-	-	140,099	1,021	151
1923	-	-	-	-	857,995	1,343	639
1924	-	-	-	-	59,091	851	69
1925	-	-	-	-	76,705	1,149	67
1926	-	-	26,664	9,100	35,764	1,110	32
1927	-	-	9,216	5,248	14,464	924	16
1928	-	-	39,026	1,598	40,624	536	76
1929	-	-	246,353	6,836	253,189	1,550	163
1930	-	-	144,688	143,371	288,059	1,402	206
1931	-	-	42,843	13,120	55,963	1,851	30
1932	-	-	253,558	21,232	274,790	2,073	133
1933	-	-	131,537	10,086	141,623	1,919	74
1934	-	-	64,891	15,493	80,384	1,568	51
1935	-	-	74,130	27,309	101,439	1,309	77
1936	-	-	466,957	44,741	511,698	2,264	226
1937	-	-	81,701	9,251	90,952	1,453	63
1938	-	-	38,918	17,028	55,946	1,292	43
1939	-	-	10,558	1,218	11,776	961	12
1940	-	-	40,869	8,346	49,215	1,014	49
1941	-	-	109,991	159,751	269,742	1,265	213
1942	-	-	31,448	14,571	46,019	1,224	38
1943	-	-	13,543	7,831	21,374	624	34
1944	-	-	29,635	38,713	68,348	1,137	60
1945	-	-	7,283	12,348	19,631	966	20
1946	-	-	18,072	12,996	31,067	1,739	18
1947	-	-	15,416	18,591	34,007	1,393	24
1948	-	-	345,917	65,806	411,723	2,036	202
1949	-	-	16,427	7,880	24,307	1,834	13
1950	55,148	103,682	5,343	9,541	14,884	985	15
1951	389,447	56,389	39,118	1,854	40,972	904	45
1952	29,504	31,347	2,940	2,087	5,027	1,095	4
1953	393,874	81,778	18,016	5,783	23,799	1,520	16
1954	406,241	15,650	14,615	7,518	22,133	881	25
1955	3,591,680	184,940	150,118	10,309	160,427	2,252	71
1956	3,068,152	22,319	89,768	1,777	91,545	1,017	90

Year	Damage $	Private Property Damage $	Area Burned Over			Number of Fires	Area per Fire
			Crown ha	Private ha	Total ha		
1957	463,059	113,751	9,814	9,065	18,879	1,671	11
1958	311,503	97,036	10,337	4,496	14,833	1,558	10
1959	22,041	20,757	1,044	1,093	2,137	1,029	2
1960	438,094	56,442	11,813	888	12,701	956	13
1961	31,989,802	152,639	477,894	1,549	479,443	1,305	367
1962	74,748	99,165	3,069	2,517	5,586	1,521	4
1963	706,888	39,932	16,467	6,251	22,718	1,885	12
1964	500,296	19,792	9,090	2,291	11,381	1,829	6
1965	386,850	254,105	6,068	1,987	8,055	1,218	6
1966	71,521	49,457	3,421	2,413	5,834	1,921	3
1967	1,353,919	87,638	23,768	1,930	25,698	1,465	17
1968	4,174	54,146	1,078	2,751	3,829	1,219	3
1969	134,756	4,623	1,813	669	2,482	901	3
1970	1,323,041	28,815	-	-	22,727	1,239	18
1971	462,064	75,875	-	-	41,973	1,790	23
1972	1,081,876	47,446	-	-	32,029	1,604	20
1973	11,944	121,900	2,417	1,190	3,607	1,111	3
1974	12,063,428	239,384	522,641	1,346	523,987	1,625	323
1975	683,726	340,414	11,226	5,630	16,856	3,146	5
1976	26,839,738	930,514	536,529	7,578	544,107	3,985	136
1977	11,190,900	252,565	411,752	4,564	416,316	2,049	203
1978	165,267	139,386	7,040	483	7,523	940	8
1979	2,310,161	60,032	63,322	393	63,715	1,564	41
1980	72,094,096	3,254,443	524,486	35,819	560,305	1,779	315
1981	9,171,418	60,906	173,473	5,994	179,467	1,656	108
1982	116,695	71,068	2,555	1,337	3,892	1,396	3
1983	15,230,649	352,210	442,163	1,499	443,662	2,244	198
1984	787,487	652,985	118,853	1,567	120,420	1,240	97
1985	69,552	319,329	682	325	1,007	887	1
1986	20,331,092	525,234	143,692	1,869	145,561	1,088	134

1986 FOREST FIRES BY DISTRICT

District	Number of Fires	Hectares Burned Over	ha per Fire
Dryden	30	7.1	.2
Fort Frances	36	30.3	.8
Ignace	13	2.5	.2
Kenora	73	147.3	2.0
Red Lake	49	129,705.0	2,647.0
Sioux Lookout	95	4,487.6	47.2
Atikokan	45	81.1	1.8
Geraldton	41	3,643.2	88.9
Nipigon	21	11.7	.6
Terrace Bay	18	244.3	13.6
Thunder Bay	37	175.3	4.7
Chapleau	24	35.5	1.5
Cochrane	15	981.1	65.4
Gogama	7	32.6	4.7
Hearst	24	168.0	7.0
Kapuskasing	20	369.3	18.5
Kirkland Lake	10	19.2	1.9
Moosonee	18	4,691.9	260.7
Timmins	13	4.2	.3
Blind River	8	5.2	.7
Espanola	7	6.6	.9
North Bay	36	52.9	1.5
Sault Ste. Marie	5	1.0	.2
Sudbury	76	143.6	1.9
Temagami	17	16.9	1.0
Wawa	29	192.0	6.6
Algonquin Park	30	23.6	.8
Bancroft	23	25.6	1.1
Bracebridge	27	14.0	.5
Minden	24	21.7	.9
Parry Sound	45	29.2	.6
Pembroke	78	103.1	1.3
Carleton Place	17	11.8	.7
Tweed	36	53.2	1.5
Huronia	3	.9	.3
Lindsay	12	16.2	1.4
Owen Sound	26	6.4	.2
TOTAL	1,088	145,561.1	133.8

1986 FOREST FIRES BY MONTH

Month	Number of Fires	Hectares Burned Over	ha per Fire
March	15	20.6	1.4
April	246	625.2	2.5
May	276	133,870.6	485.0
June	161	6,844.5	42.5
July	194	2,398.4	12.4
August	152	1,770.6	11.6
September	35	16.3	.5
October	7	4.8	.7
November	2	10.1	5.1
December	-	-	-
TOTAL	1,088	145,561.1	133.8

DETECTION OF FOREST FIRES

Agencies	1982	1983	1984	1985	1986
Ministry Aircraft *	221	584	163	112	139
Other	9	11	6	6	8
Total Organized Detection	230	595	169	118	147
Public	1,038	1,277	948	702	851
Other Aircraft	128	372	123	67	90
Total Random Detection	1,166	1,649	1,071	769	941
Total Fires	1,396	2,244	1,240	887	1,088
Percentage Organized Detection	17	27	14	13	14

* Includes other ministry detection

SIZES OF FOREST FIRES

Area Burned Over	1986
Up to .2 hectares	522
.2 to 4.0 hectares	457
4.0 to 40 hectares	75
40 to 200 hectares	14
Over 200 hectares	20
Total Fires	1,088

PROSECUTIONS

Actions re: Forest Fires	1982	1983	1984	1985	1986
Prosecutions	72	89	78	56	131
Convictions	68	82	73	54	124

CAUSES OF FOREST FIRES - I

General Causes	1982	1983	1984	1985	1986
Recreation	517	494	276	229	244
Resident	224	181	221	165	202
Incendiary	39	48	69	27	37
Railways	160	161	94	122	128
Industry (Forest)	11	36	21	31	26
Industry (Other)	22	25	45	29	23
Miscellaneous (Known)	156	178	199	93	147
Unknown	30	31	29	22	40
Lightning	237	1,090	286	169	241
Total Fires	1,396	2,244	1,240	887	1,088

CAUSES OF FOREST FIRES - II

Source of Ignition	1982	1983	1984	1985	1986
Smoking Materials	323	250	136	121	108
Camp Fires	243	274	157	124	155
Matches	105	94	98	57	85
Fireworks	1	2	-	-	1
Explosives	-	1	-	-	-
Fusee	9	3	5	6	2
Prescribed Burning	3	2	1	-	4
Dump Ashes, Coals	9	7	6	13	6
Burning Grass	73	38	44	34	59
Burning Brush	37	52	55	56	53
Burning Rubbish	44	31	35	24	24
Burning Garbage Dump	23	34	33	18	35
Burning Bulldozed Pile	-	3	3	3	2
Burning Sawdust Pile	2	-	3	2	1
Burning Ties	19	9	12	9	9
Burning Right-of-Way	20	9	8	14	10
Locomotive, Diesel	27	35	14	7	39
Locomotive, Steam	-	-	-	-	1
Brake Shoe	44	61	30	37	41
Overheated Journal Box	-	2	-	4	6
Rail Grinding	-	13	7	22	-
Power Saw	2	3	4	3	6
Mechanical Equip. (Other)	34	30	12	23	21
Mechanical Equipment (Scarification)	-	9	6	3	4
Power Line (Short)	15	32	114	28	21
Sparks from Chimney	2	1	2	1	1
Sparks from Burner	1	1	1	-	1
Structural Fires	11	16	8	12	17
Miscellaneous (Known)	23	26	32	20	26
Unknown	91	116	128	77	109
Lightning	235	1,090	286	169	241
Total Fires	1,396	2,244	1,240	887	1,088

CAUSES OF FOREST FIRES - III

Responsible Groups	1982	1983	1984	1985	1986
RECREATION					
Fishermen	158	161	110	82	97
Hunters	16	13	15	17	6
Canoeists	45	37	22	19	27
Campers	61	69	28	25	20
Picnickers	14	20	1	6	8
Berry Pickers	141	91	38	20	15
TRAVELLERS					
Car Passengers	76	61	35	36	48
Hikers	25	28	10	15	20
Train Passengers	-	-	1	1	1
Guided Parties	2	-	-	-	1
RESIDENTS					
Farmers	26	26	17	19	12
*Rural Residents	152	137	173	116	171
Urban Residents	12	13	5	8	7
Private Cottagers	34	44	42	27	29
Resort Owners	2	-	5	3	3
VOCATION					
Trappers	-	-	1	1	1
Prospectors	1	2	4	1	3
Timber Cruisers (not MNR)	-	-	-	2	-
Survey Parties	-	-	-	-	-
Military	1	-	-	-	1
EMPLOYEE OF					
Woods Industry	12	33	16	29	27
Mining	1	4	1	3	3
Pipeline	-	-	-	1	-
Hydro	2	4	5	6	3
Telephone	-	1	-	-	-
Highway or Road	1	1	1	1	-
R. R. Section Crew	39	25	16	25	23
R. R. Train Crew	24	21	17	33	22
R. R. Work Crew	94	110	57	61	81
Other Industry	12	9	11	9	10
Natural Resources	17	6	10	4	8
Other Prov. Government	-	1	-	-	-
Federal Government	-	1	-	-	-
Municipality	6	5	2	2	6
MISCELLANEOUS					
Children	68	76	82	42	74
Youth Camps	-	6	3	2	-
Miscellaneous (Known)	24	66	134	41	36
Unknown	94	83	92	61	83
Total Human-Caused Fires	1,160	1,154	954	718	846
Percentage of All Fires	83	5?	77	81	78

*Note: Indians (on Reserves) has been deleted under Residents. Fires for years 1981-84 now appear under Rural Residents.

AIR SERVICE SUMMARY - I

Hours flown in years ending March 31

Year	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks
1982	1,973	1,760	2,600	360	1,120	640
1983	3,037	1,670	2,460	425	1,217	530
1984	1,364	1,725	2,328	423	1,093	625
1985	1,640	1,830	2,960	478	1,309	590
1986	976	2,065	3,827	392	1,601	254
1987	1,045	1,765	3,425	410	1,160	160
Total 1924-87	247,328	47,978	124,651	5,578	22,775	15,915

Year	Research	Inter-Ministry	Photo	Mercy Flights	Misc.	Total
1982	400	1,647	656	58	4,789	16,003
1983	456	1,885	640	13	2,855	15,188
1984	450	3,078	572	22	3,111	14,791
1985	474	3,931	680	29	454	14,375
1986	338	1,763	493	13	3,759	15,481
1987	350	4,000	510	10	3,205	16,040
Total 1924-87	11,951	46,342	9,797	1,968	186,246	720,429

AIR SERVICE SUMMARY - II

in years ending March 31

Year	Mercy Flights	Passengers Carried	Loads Carried Tons	Metric Tons
1982	28	28,485	988.00	1,089
1983	8	30,267	2,069.17	2,280
1984	16	29,175	1,856.73	1,893
1985	13	31,023	1,988.50	2,192
1986	6	18,534	4,609.30	5,080
1987	5	22,480	3,596.20	3,965

1986 PRESCRIBED BURNING SILVICULTURE, HAZARD REDUCTION, MISC.

District	Burns	Hectares
Dryden	1	256.0
Fort Frances	5	420.0
Ignace	1	44.0
Red Lake	1	98.0
Sioux Lookout	1	50.0
Atikokan	1	302.0
Geraldton	4	2,012.0
Nipigon	1	194.0
Thunder Bay	1	420.0
Cochrane	2	442.0
Gogama	2	1,099.0
Hearst	3	1,470.0
Kapuskasing	3	1,597.0
Kirkland Lake	1	1,543.0
Timmins	3	1,525.0
Blind River	4	480.0
Espanola	2	20.2
North Bay	1	110.0
Sault Ste. Marie	1	37.0
Sudbury	2	212.0
Temagami		966.0
Wawa	3	717.0
Bracebridge	2	39.0
Carleton Place	1	24.0
Minden	2	6.2
Owen Sound	2	3.1
Parry Sound	1	22.0
Tweed	2	145.0
Chatham	1	65.0
Huronia	1	4.9
	58	14,323.4

FEDERAL RESEARCH BURNS - Nil

ADMINISTRATION DIVISION

Room 6345, Whitney Block Telephone (416) 965-7106

Assistant Deputy Minister.....	Rick Monzon.....	W-6345...5-7106
Administrative Assistant.....	Cindy Blancher.....	W-6344...3-2005
Secretary.....	Enid Lynch.....	W-6345...5-7106
Finance and Administration Group		
Executive Co-ordinator.....	Michele Fordyce.....	W-6347...5-6148
Communications Services Branch		
Director.....	Valerie Chavossy.....	W-5352...5-3315
Human Resources Branch		
Director.....	Mike Barker.....	W-4530...5-3825
Legal Services Branch		
Director.....	Barry Jones.....	W-6420...5-2748
Office of Management, Planning and Analysis		
A/Director.....	John Byrne.....	W-6350...5-4143
Manpower Planning		
Director.....	Harold Farrant.....	W-6312...3-3754
MNR Ideas.....	John Simpson.....	W-3312...3-1206

Administration Division

COMMUNICATIONS SERVICES BRANCH

Room 5340, Whitney Block Telephone (416) 965-2756

Branch Director	Valerie Chavossy	W-5352...5-3315
Secretary	Donna Sharp	W-5340...5-3315
Special Projects Co-ordinator	Hugh Williams	W-5340...5-1281
Northern Ontario Communications Co-ordinator	Ken Robertson	W5340....5-2756
Information Services Section		
Manager	Marj Welch	W-5340...5-2756
Media Liaison Officer	John Dadds	W-5340...5-2756
Media Liaison Officer	Shirley Teasdale	W-5340...5-2756
Writing & Editorial Supervisor	Brian LeGrow	W-5340 5-2756
Senior French Language Writer	Danielle Legault	W-5340...3-0163
Landmarks Editor	Sandra McGuire	W-5340...5-2758
Employee Communications Co-ordinator	Nancy Rahtz	W-5340...5-2758
Educational Programs Co-ordinator	Susan Gesner	W-5340...5-2781
Public Information Centre		
Supervisor	vacant	W-1640...5-2445
Parks Information		W-1640...5-3081
Fisheries Information and Licence Sales		W-1640...5-7883
Wildlife Information and Licence Sales		W-1640...5-4251
Forestry/Lands Information		W-1640...5-9751
Maps Information		W-1640...5-6511
Aerial Photos		W-1640...5-1123
Minerals Information		W-1640...5-1348
Creative Services Section		
A/Manager	Felix Barbetti	W-5440...5-2780
A/Supervisor Exhibits & Displays Unit	Felix Barbetti	W-5440...5-2780
Supervisor, Publications Services Unit	Charity Haines	W-5440...5-2780
Publications Editor	Marie Reid	W-5440...5-2780
Graphic Designer	Askin Gokhan	W-5440...5-2780
A/Supervisor, Audio Visual Unit	Alan Campeau	W-5440...3-1325
Photographer	Heather Bickle	W-5440...3-1325
Film & Audio-Visual Consultant	Lloyd Walton	W-5440...3-1325
Policy, Planning and Promotion		
Manager	Peter Andrews	W-5440...3-2957
Advertising and Marketing Officer	Jeff Standard	W-5440...3-2956
Communications Planning Co-ordinator	Gerry Merchant	W-5440...3-2958

Administration Division

HUMAN RESOURCES BRANCH

Room 4520, Whitney Block Telephone (416) 965-3825

Branch Director.....	Mike Baker.....	W-4530...5-3825
Personnel Policy Manager.....	Roger Gordon.....	W-4528...5-6091
Services and Administration Manager.....	Ed Polonoski.....	W-4520...5-7240
Human Resources Planning Manager.	Wayne Yetman.....	W-4531...3-1963
Training and Development Manager.	Bob Brayshaw.....	W-4422...5-1468
Occupational Health & Safety Section Manager.....	Tony Shipston.....	W-5645...5-2735
Special Programs Manager.....	Bev Robson.....	W-4611...5-5663

STAFF SUMMARY

Total MNR Staff as of March 31, 1987

	Regular	Probationary	Unclassified	Total
Main Office	960	97	402	1,459
Field Office	2,913	119	1,401	4,433
TOTAL	3,873	216	1,803	5,892

Total Number of Positions	4,333
Total Number of Staff	4,089
Total Number of Vacancies	244
New Employees Hired 1986/87	157
Management Staff	1,066
Executive Staff	42
Bargaining Unit Staff	2,913
Position Excluded Staff	68
Total	4,089
Deceased	12
Transferred	38
Released	6
Resigned	78
Dismissed	1
Retired	69
Total	204

STAFF SUMMARY

at March 31, 1987

	1982	1983	1984	1985	1986	1987
Regular Staff	4,093	4,163	3,948	3,819	3,804	3,873
Probationary Staff	203	141	49	140	182	216
Unclassified Staff	1,565	1,380	1,601	1,646	1,595	1,803
TOTAL	5,867	5,684	5,598	5,605	5,581	5,892
Main Office Staff	863	917	887	992	1,022	960
Field Office Staff	3,439	3,387	3,110	2,967	2,964	2,913
New Employees	140	160	57	101	151	157
Deceased	9	12	11	8	7	12
Retired	45	78	156	59	80	69
Transferred	36	17	18	16	23	38
Resigned	81	73	85	44	67	78
Dismissed	1	1	2	2	1	1
Released	0	1	1	3	4	6
Miscellaneous	0	1	0	0	0	0
Total Separations	172	183	273	132	182	204
Junior Rangers	1,736	1,636	1,716	1,716	1,716	1,716

MANAGEMENT GROUPS

Administrative	256
Clerical	7
Operational	12
Professional	291
Technical	500
Total	1,066
Executive Compensation Plan	42
Position Excluded	68

BARGAINING UNIT CATEGORIES

Administrative Services	128
Scientific & Professional	403
Technical Services	1,279
Office Adminstration	830
Maintenance Services	201
General Operational Services	72
Total	2,913

Administration Division

LEGAL SERVICES BRANCH

Room 6420, Whitney Block Telephone (416) 965-2748

Director.....	Barry G. Jones.....	W-6420...5-2748
Senior Solicitor.....	Lou Low.....	W-6420...5-2748
Solicitors.....	Mel Crystal.....	W-6420...5-2748
	Mary-Pat Koskie.....	W-6420...5-2748
	Charlein E. Mansfield...	W-6420...5-2748
	Deborah Pigeon Bernotas.	W-6420...5-2748
	Ronald F. Robinson.....	W-6420...5-2748
	Alan R. E. Ryan.....	W-6420...5-2748
	Susan A. Klein.....	W-6420...5-2748
	Linda H. Kolyn.....	W-6420...5-2748
	David G. Searle.....	W-6420...5-2748
	W. Richard Grace.....	W-6420...5-2748
	Paul Gonsalves.....	W-6420...5-2748

Legal matters dealt with by the Branch include legal opinions, drafting statutes, regulations, orders in council, litigation and all other matters of a legal nature affecting the Ministry.

LEGISLATION

The Acts administered by the Ministry are as follows:

LANDS AND WATERS GROUP

BEACH PROTECTION ACT prohibits the removal of sand from the bed, bank, beach, shore or waters of any lake, river or stream in Ontario except under the authority of a licence issued under the Act or written consent of the local municipality.

BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus The Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

CANADA COMPANY'S LAND ACT, 1922, empowers the Crown to sell and convey to purchasers of lands from the Canada Company the mineral rights in the lands.

CONSERVATION AUTHORITIES ACT provides for the establishment of conservation authorities for the purpose of establishing and undertaking in the area over which they are given jurisdiction, programs designed to further the conservation, restoration, development and management of natural resources other than gas, oil, coal and minerals.

LAKES AND RIVERS IMPROVEMENT ACT deals with: the construction, repair and use of dams; timber driving; and timber slide companies. The Act prohibits construction of dams without Ministry approval. The Minister is given discretionary powers relating to the repair, reconstruction and removal of dams, maintenance of water levels, and regulation of use of waters or works.

MINING ACT sections 112, 113, 114, 115 and 162 only. The remainder of the Mining Act is now administered by the Ministry of Northern Development and Mines.

NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-3, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

ONTARIO GEOGRAPHIC NAMES BOARD ACT provides for the establishment of a Geographic Names Board for Ontario having the duty to gather information respecting the names of places and geographical features, make recommendations thereon, collaborate with the Canadian Permanent Committee on Geographic Names, and provide information to government departments, etc. The Minister may approve a recommended name and thereupon it shall be used by all government departments and agencies in the preparation of maps and other publications.

ONTARIO HARBOURS AGREEMENT ACT, 1962-63, confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

PUBLIC LANDS ACT provides for: (1) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (2) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (3) The management of Crown land by the Ministry by zoning for land use, setting apart for public use, research, etc., and through agreements with municipalities on beaches and water lots; (4) The administration of roads on Crown lands including the designation of public forest roads and agreements with occupiers of private forest roads respecting the use by the public of private forest roads; (5) The administration and control of the construction and maintenance of dams; (6) The granting of water powers and privileges.

SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Surveyor-General is a member of the Council of the Association.

SURVEYS ACT defines the system of surveys and the rules for surveys. The Minister orders surveys made on his volition or upon application to settle disputes or lost lines, etc,; and hearing evidence, he confirms the surveys, with or without amendment. His decision is subject to appeal to the Divisional Court.

FOREST RESOURCES GROUP

ARBOREAL EMBLEM ACT, 1984 adopts the Eastern White Pine as the arboreal emblem of the Province of Ontario.

CROWN TIMBER ACT enables the granting of the following four types of licences to cut Crown timber, a licence based on a call for tenders, a licence to salvage timber, a licence for areas that do not exceed 64.75 hectares (160 acres), and a licence approved by Order in Council for large areas.

The Act also enables the Minister to enter into comprehensive forest management agreements with members of the forest industry to ensure that forests under the agreements are harvested and regenerated to produce successive crops of timber on a sustained yield basis.

Crown Management Units may be established under the Act and agreements entered into for the supply of Crown timber from such units. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Crown dues and area charge are fixed by the regulations.

Other subjects dealt with are: forest management, operating and annual plans; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber for scaling, and other violations; and protection of the Crown's interests through seizure of timber and a statutory lien for Crown charges.

ALGONQUIN FORESTRY AUTHORITY ACT establishes a Crown corporation known as the Algonquin Forestry Authority to harvest Crown timber in Algonquin Provincial Park and public lands adjacent to the park, to sell the logs and also to carry out such forestry, land management and other programs and projects as the Minister of Natural Resources authorizes.

FORESTRY ACT. Under this Act: (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage the forest lands; (2) Ministry tree nurseries are established and nursery stock is distributed; (3) Private forest reserves are set up on private lands with the consent of the owner; (4) The Minister, with the approval of the Lieutenant Governor in Council, may establish programs for the encouragement of forestry. At present, a managed forest tax reduction program has been established by the Minister.

FOREST TREE PEST CONTROL ACT provides for the control of outbreaks of forest tree insects and diseases on private lands.

SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' land.

SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation under the authority of an Order in Council of unmanufactured spruce pulpwood from lands granted under special Acts which prohibit such export.

TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements with the Minister for the management of such lands and related matters.

WOODLANDS IMPROVEMENT ACT provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps. It also provides that Crown timber licensees are responsible for the acts and omissions of their jobbers and subcontractors who carry out operations.

WOODMEN'S LIEN FOR WAGES ACT provides a lien and a procedure to enforce such lien for persons performing labour on timber.

MINERAL RESOURCES GROUP

PITS AND QUARRIES CONTROL ACT provides for the regulation of pit and quarry operations in designated parts of Ontario. Operations in designated areas must be licensed under the Act and are subject to periodic review to assure compliance with the provisions of the Act, the regulations and site plan.

PETROLEUM RESOURCES ACT sets out licensing requirements for various aspects of oil and natural gas exploration, drilling and production and provides for the making of regulations respecting oil and gas conservation and the safe operation of drilling and production facilities.

INDUSTRIAL AND MINING LANDS COMPENSATION ACT provides for agreements between the owner or operator of a mine and the owner or lessee of any land for payment of compensation for any damage or injury resulting or likely to result to the land or to its use and enjoyment from the operation of the mine.

GAS AND OIL LEASES ACT sets out the procedure whereby a lessor under a gas or oil lease may, upon default by the lessee under the terms of the lease, obtain an order declaring the lease void.

OUTDOOR RECREATION GROUP

ENDANGERED SPECIES ACT provides for the conservation, protection, restoration and propagation of species of flora and fauna of the Province of Ontario that are threatened with extinction.

FISHERIES ACT (CANADA) Ontario Fishery Regulations are made under this Act. They relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are prescribed under the Game and Fish Act.

FISHERIES LOAN ACT provides for loans to persons carrying on the business of commercial fishing or any other business dependent in whole or in part on the taking of fish from waters in which such taking has been prohibited by reason of the contamination of fish resulting from pollution of the water. Provision is made for federal-provincial agreements respecting the sharing of such loans.

FISH INSPECTION ACT is complementary to the Federal Act.

FRESHWATER FISH MARKETING ACT (ONTARIO) complements the Freshwater Fish Marketing Act (Canada). Through these Acts and the federal-provincial agreement, the Freshwater Fish Marketing Corporation established under the Federal Act is the sole purchaser of commercial fish, as defined in the Federal Act, taken in that part of Ontario designated in the regulations, i.e., that part of Ontario westerly of longitude 86 degrees except the Territorial District of Rainy River but including that part of Lake of the Woods in the Territorial District of Rainy River. Sales to and purchases by persons for their own consumption or for consumption by persons or animals in the course of the purchaser's business are excepted.

GAME AND FISH ACT deals with the management of wildlife resources; game animals; game birds (upland); fur-bearing animals; frogs; sale and rearing of game fish; and offences and enforcement. Regulations made under the Act establish open seasons for hunting and trapping; bag limits; Crown game preserves; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations. The Game and Fish Hearing Board was established under the Act on November 15, 1973.

MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set under this Act.

PARKS ASSISTANCE ACT provides for the establishment of parks in municipalities or in territory without municipal organization. The Minister may with the approval of the Lieutenant-Governor in Council make grants not exceeding 50 per cent of the cost of acquiring land and developing such parks. The parks established under the Act are to be maintained and operated in a manner complementary to provincial parks.

PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management and for certain employees having the authority of the O.P.P. in a provincial park. Advisory committees for one or more provincial parks may be appointed by the Minister with the approval of the Lieutenant-Governor in Council. Parks may be classified as a natural environment park, a nature reserve park, a wilderness park, a recreational park, a waterways park, or an historical park. Any of these classes may be zoned with controlled use in zones.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interest existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations under the Game and Fish Act or where the prohibition is removed by designation of the Lieutenant-Governor in Council under the Provincial Parks Act. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act).

Concession leases are granted under the Act. The province calls for tenders for buildings and facilities.

A daily vehicle permit charge is $3.50 or $35.00 for an annual permit. A bus permit charge is $14.00 per day. Senior Citizens are allowed free admission during the week except for camping on weekends, when half rates apply. Campsite charges are $8.25 per night, or $9.25 per night where shower facilities are available, and $11.00 per night for campsites with electrical power. The charge for an extra car on a campsite is $3.75 per night. On unorganized campsites in park interiors the charge is $3.00 per person. Group camping charge is $6.25 per night for adults per campsite and $1.25 per night for persons 19-65 years of age. Reservation fee for campsite is $2.25. The above fees reflect those charged during peak periods. They may vary, depending on location and time of year.

This Act does not apply to any park under the management of the Niagara Parks Commission, the St. Lawrence Parks Commission or the St. Clair Parkway Commission.

WILDERNESS AREAS ACT was passed on March 26, 1959, to preserve areas having some unique feature. Development or utilization or the natural resources in an area more than 260 ha (640 acres) in size is not affected by this Act.

WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

AVIATION AND FIRE MANAGEMENT CENTRE

FOREST FIRES PREVENTION ACT applies to the seven fire regions set up by regulation. The fire season from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season to (a) start fires in a fire region except for fires lit for cooking or warmth or to (b) ignite fireworks in or within 300 m of a forest or woodland. Work permits are required at any time of the year for carrying on any logging, mining, industrial operation or clearing in or within 300 m of a forest or woodland. Areas may be established as restricted fire zones in which fires for cooking or warmth will be restricted to portable stoves and barbecues or as restricted travel zones in which a travel permit will be required except on public roads, cities, towns, villages, police villages, supervised camping grounds and water adjacent thereto. The Minister may declare emergency areas and may make orders for suppression and the safety and evacuation of persons. The Minister may enter into agreements with Canada, any province, any federal or provincial agency or municipality respecting the prevention and control of forest fires. The regulations establish fire precautions.

GENERAL

ALGONQUIN PROVINCIAL PARK EXTENSION ACT, 1960-1, adds the public lands in the Geographic Townships of Bruton and Clyde in the Provincial County of Haliburton to the park, subject to hunting.

GANANOQUE LANDS ACT, 1961-2, vests certain lands in the town of Gananoque in the Crown and authorizes the sale of encroachments to adjoining owners for a fee of $50.00 and the granting of the balance of the land.

LAC SEUL CONSERVATION ACT, 1928, provides for the execution of an agreement between the Government of the Province of Ontario, represented by the Minister of Lands and Forests, the Government of Canada and the Government of the Province of Manitoba regarding the construction of a dam at the outlet of Lac Seul.

LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St.Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between the United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the Ontario Hydro. The other is R. M. Odell, Chairman of the Lake of the Woods Control Board and Acting Supervisor, Models and Consultative Services, Conservation Authorities and Water Management Branch, Ministry of Natural Resources, with D. L. Strelchuk as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the waters of the Winnipeg and English Rivers and, for the purpose, to regulate the flow of:

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

MANITOBA-ONTARIO LAKE ST. JOSEPH DIVERSION AGREEMENT AUTHORIZATION ACT, 1958, provides for entry by Ontario and The Hydro-Electric Power Commission of Ontario into an agreement with Manitoba and The Manitoba Hydro-Electric Board in respect of the diversion of waters into the Winnipeg River and electrical power generated from such waters in Ontario and Manitoba.

MINERAL EMBLEM ACT, 1975, adopts the amethyst as the mineral emblem of the Province of Ontario.

MINISTRY OF NATURAL RESOURCES ACT effective as of April 1, 1972, created the new Ministry of Natural Resources by amalgamating the former Department of Lands and Forests and Department of Mines and Northern Affairs and repealed the provisions of a number of Acts on which the departments depended for administrative authority. Effective October 30, 1973, the Act provides for the appointment of a Mining and Lands Commissioner and advisory committees.

NATIONAL RADIO OBSERVATORY ACT, 1962-3, provides for the transfer of administration and control of certain public lands in the Township of White, District of Nipissing, to Canada for the maintenance and operation of a national radio observatory.

OTTAWA RIVER WATER POWERS ACT, 1943, ratifies and confirms an agreement between the Province of Ontario, the Province of Quebec, the Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission respecting the development of water power on the Ottawa River.

SEINE RIVER DIVERSION ACT, 1952, confirms the partial diversion of the Seine River and authorizes the completion and operation of the diversion by Steep Rock Iron Mines Limited.

Administration Division

FINANCE AND ADMINISTRATION GROUP

Room 6347, Whitney Block Telephone (416) 965-6148

Executive Co-ordinator.....	Michele Fordyce.....	W-6346...5-6147
Secretary.....	Linda Godin.....	W-6346...5-6147
Director, Information Technology Planning.....	John Findeis.....	W-6313...5-6688

Administration Division

SYSTEMS SERVICES BRANCH
Whitney Block, Room 6540 (416) 965-5671

Director	John Queen	W-6547...5-2750
Secretary	Isabel Hardy	W-6540...5-5671

Systems Co-ordination Section

Manager	Ken Vogan	W-5610...3-1450
Program Group Systems Co-ordinators	John Boufford	W-5610...3-1316
	Sue Mitchell	W-5610...3-1316
	Joe Paige	W-5610...3-1316
	Jane Wei	W-5610...3-1316

Information Resources Development Section

Manager	Ilmar Talvila	W-6548...3-0361
Supervisor, Data Co-ordination	Leigh Bailey	W-6545...3-1327
Senior Systems Officer, Major Systems	Les Davidson	W-6540...3-3799
Systems Specialist	Joe Chan	W-6540...3-3790
Programmer/Analyst	Tony Haynes	W-6540...3-3790
Senior Systems Officer, Advanced Technology Systems	Ruth Orawski	W-6502...3-2391
Programmer/Analyst	Tony Porfilio	W-6502...3-1318
	Nick Ranieri	W-6502...3-1318

Policy and Planning Section

Co-ordinator	Colin Moulson	W-6546...5-5674
Management Consultant	Larry Goecke	W-5611...3-3536
Security/Standards Analyst	Andrea Richardson	W-6601...5-5828

Operations and Support Section

Manager	Jim Andrew	W-6543...3-1322
Supervisor, Operations	Domenic Trentadue	W-5426...5-3794
Senior Operations Analyst	Doug Thompson	W-5426...5-0116
Technical Operations Officer	Rakib Khan	W-5426...5-0116
Technical Specialist	Phil Mills	W-5426...5-0938
Remote Job Entry Operator	Walter Salamon	W-5426...5-0116
Technical Support Officer	Mike Allison	W-6549...3-2392
	Bill Temelkovski	W-6549...3-2392

Client Support Services

Co-ordinator	Jerry Sanford	W-6544...5-3322
Training Co-ordinator	Allyson McBryde	W-6601...5-3355
Office Automation Specialist	Cynthia Jones	W-5611...5-8508
Technical Support Officer	Stuart Green	W-6549...3-2392

Administration Division

INTERNAL AUDIT SERVICES BRANCH

Room 4633, Whitney Block Telephone (416) 965-4087

Branch Director..... Alan Ward..... W-4637...5-4087

Assistant Director and Senior
EDP Auditor..... Don Lay..... W-4634...5-4087

Northern Audit Section
Box 5000
Thunder Bay, P7C 5G6
Audit Manager..... Susan Soldan..... (807) 475-1211
(IC 844)

Sault Ste.Marie sub-office
875 Queen Street East
Sault Ste.Marie, P6A 2B3
Senior Auditor..... Bill Johnstone..... (705) 949-1231
(IC 842)

Southern Audit Section
c/o District Office
Maple, L0J 1E0
Audit Manager (acting)..... Larry Searle..... (416) 832-7250

Administration Division

FINANCIAL RESOURCES BRANCH

General Inquiry: Room W-4320, Main Office Telephone (416) 965-9774

Director	Amber J. Armitage	W-4324...5-2761
Chief Accountant	Ian Nott	W-4326...5-2761
Financial Methods	George Jarzabek	W-4328...5-1218
Financial Policy	Ed Young	W-4501...5-1033
Planning and Evaluation	Philip Wormwell	W-4427...5-7182
External Agency Co-ordinator	Stan Mathewson	W-4427...5-7182
Financial Planning Co-ordinator	vacant	W-4427...5-7182
Senior Program Officers	Dave Boggs	W-4427...5-7182
	Anne Harris	W-4427...5-7182
Budget and Financial Control	David H. Cope	W-4420...5-7086
Budget Co-ordinator	Jim MacDonald	W-4420...5-7086
Financial Reporting	Vince Ferrara	W-4321...5-1895
Accounting Operations	vacant	W-4311...5-2770
Revenue Co-ordinator	John Botterill	W-4443...5-2770
Data Conversion	Allison Burns	W-4310...5-2669
Accounts Payable	Claudette Obelnycki	W-4441...5-2251
Financial Services	Paul Comeau	W-4340...5-9774
Licence Issuing	Tom Tunnicliff	W-4341...5-2766
Payroll Services	Tom Tunnicliff	W-4342...5-2814
Financial Training and Administration Co-ordinator	John Heywood	W-4303...5-2764

Administration Divsion
Finance and Administration Group

REVENUE AND EXPENDITURES

in years ending March 31

Year	Budgetary Revenue $	Budgetary Expenditure $
1983	109,064,672	374,348,745
1984	116,366,507	407,490,465
1985	173,174,153	437,550,337
1986	218,368,140	443,945,965
1987	221,271,143	530,587,486

LANDS REVENUE

in years ending March 31

Year	Water Power $	Crown Land Sales $	Crown Land Rentals $	Rentals & Fees $	Pits and Quarries Licences $	Land Use Permits $
1983	23,613,132	1,690,312	994,362	1,858,606	162,750	647,007
1984	25,593,045	1,719,761	959,100	911,114	165,015	712,854
1985	67,389,828	1,499,961	939,607	1,492,382	158,225	873,559
1986	86,427,338	1,177,710	884,730	839,299	171,846	720,514
1987	89,776,502	1,181,356	1,007,676	1,030,282	207,409	882,798

Year	Forfeitures $	Royalties $	Taxes $
1983	1,980	6,101,775	*450,300
1984	2,700	4,660,987	*475,200
1985	1,640	6,768,365	*480,500
1986	-	6,527,604	474,978
1987	345,527	6,081,256	530,095

* restated

LANDS REVENUE

in years ending March 31

Year	Assignments & Extension Fees $	Cons. Authorities Federal Agreements $	Return of Grants $	Recovery Prior Years Land Acquisition $	Misc. $	Total $
1983	20,453	2,290,574	148,277	2,791	115,146	38,097,465
1984	22,575	1,617,533	172,653	38,597	386,148	37,437,282
1985	22,600	3,026,738	165,550	62	337,812	83,156,829
1986	24,350	1,362,034	41,927	96	666,657	99,319,083
1987	21,533	374,587	42,649	93	170,514	101,652,277

TIMBER REVENUE

in years ending March 31

Year	Stumpage Charges $	Timber Area Charges $	Nursery Tree Sales $	Agreement Forest $	Federal Agreement $	Misc. $	Total $
1983	39,137,899	3,435,840	943,801	539,326	-	64,177	44,121,043
1984	46,754,081	4,625,266	606,385	586,724	5,763	67,840	52,646,059
1985	55,473,234	4,375,434	659,927	410,222	145,372	73,940	61,138,129
1986	62,600,005	6,579,249	564,762	436,978	18,427,090	-	88,608,084
1987	64,128,627	6,436,371	848,879	577,852	14,122,318	53,505	86,167,552

PROVINCIAL PARKS REVENUE

in years ending March 31

Year	Permits $	Campsite Permits $	Concessions Rental $
1983	1,195,392	6,555,071	402,132
1984	1,392,446	6,620,918	387,401
1985	1,154,514	6,749,029	347,185
1986	1,169,565	6,593,034	281,098
1987	1,357,241	7,425,164	87,020

Year	Federal Agreement $	St. Clair Pkwy. Commission $	Misc. $	Total $
1983	190,089	1,500	162,470	8,506,654
1984	14,879	-	155,269	8,570,913
1985	-	-	134,860	8,385,588
1986	-	-	134,964	8,178,661
1987	-	-	122,823	8,992,248

FISH AND WILDLIFE REVENUE

in years ending March 31

Year	Non-Res. Angling $	Ontario Resident Fishing $	Other Fishing $	Commercial Fishing $	Non-Res. Hunting $
1983	7,466,134	-	169,829	148,254	1,382,798
1984	7,256,322	-	172,716	65,009	1,212,760
1985	9,197,224	-	185,642	179,953	1,262,753
1986	9,762,572		83,154	153,834	1,557,076
1987	10,213,465	1,391,506	80,760	140,410	1,693,610

FISH AND WILDLIFE REVENUE

Year	Resident Bear $	Resident Deer $	Resident Moose $	Resident Groundhog $	Res.(Gun) Hunting $
1983	132,636	1,362,761	1,719,562	78,807	1,580,569
1984	147,866	1,507,761	1,404,361	2,782	1,490,967
1985	131,238	1,641,430	1,768,078	-	1,513,349
1986	136,046	1,880,319	1,893,418	-	1,607,278
1987	151,865	2,015,497	1,936,331	-	1,644,397

Year	Dog $	Trappers $	Fur Dealers $	Hunter Exam Fee $	Prov. Park Hunting $
1983	73,258	62,923	9,675	86,178	67,264
1984	72,939	57,252	8,925	59,967	64,712
1985	75,278	56,259	9,150	63,342	50,160
1986	81,221	54,054	9,476	67,719	289,567
1987	87,763	58,989	8,851	71,958	302,915

Year	Misc. Fees & Licences $	Royalty Game $	Agreements Outside Agencies $	Federal $	Total $
1983	229,813	729,477	165,750	80,254	15,545,942
1984	194,324	669,126	120,829	431,243	14,939,861
1985	404,620	639,480	90,584	291,905	17,560,445
1986	28,437	740,775	47,755	267,086	18,659,787
1987	41,089	761,812	-	348,296	20,949,514

OTHER CASH RECEIPTS

in years ending March 31

Year	Sale of Maps, Publications etc. $	Fire Costs Recovered $	House Rentals $	Sale of Buildings $	Sale of Van and Equip. $
1983	686,651	306,055	411,266	30,012	393,846
1984	634,013	160,740	402,108	6,946	490,149
1985	761,511	114,668	367,696	13,355	505,729
1986	618,551	331,611	427,710	9,849	422,766
1987	665,579	383,722	388,196	46,816	438,325

Year	Con-fiscated Articles $	Frost Centre $	Non-Recurring Items and Misc. $	Board & Lodging $	Total $
1983	59,412	401,061	301,008	204,257	2,793,568
1984	42,695	457,832	403,170	174,739	2,772,392
1985	59,176	497,619	465,681	147,727	2,933,162
1986	75,536	519,889	1,058,329	138,284	3,602,525
1987	9,116	519,943	960,500	97,355	3,509,552

Administration Division

ADMINISTRATIVE SERVICES BRANCH

Room 5528, Whitney Block Telephone (416) 965-2711

Branch Director	Tony Pierro	W-5528...5-2711
Branch Administration		
A/Co-ordinator	Pamela Jean	W-5520...5-2711
Management Analysts	Geoff Kettel	W-5520...5-4600
	Fred Bishop	W-5520...5-4600
Operations Analysis Section		
Chief	Bob Armstrong	W-5526...5-3317
Fleet & Insurance	Lech Krol	W-5504...5-1255
Co-ordinator, Supply Mgmt. Unit	Loraine Wright	W-5520...5-4600
Purchasing Specialist	Wayne Howson	W-5520...5-4600
Supply Mgmt Projects Officer	Barbara Martin	W-5520...5-4600
Supply Mgmt Specialist	Syd Griffin	W-5520...5-4600
Contracting Unit, A/Co-ordinator	Bruce McKay	W-5520...5-4600
Contracts Administrator	vacant	W-5520...5-4600
Services Section		
A/Chief	Dave Colvin	W-5527...5-4600
Purchasing Services Unit Manager	Melise Marcel	W-5533...5-1601
Facilities Development Services Unit Manager	Paul Coghill	W-5523...5-4645
Facilities Development Officer	Daniel Plamondon	W-5423...5-4645
Accommodation Services	Stan Fenton	W-5423...5-4645
Records Information Management Services Unit	Linda Fischer	W-5422...5-3822
Support Services Unit Manager	Ken Zubricki	W-5302...5-5134
Main Office Vehicle Pool	June Mills	W-5302...5-9988
Main Office Assets Control		W-5302...5-5134
Copy Centre Services		W-5502...5-6790
Mail Services		W-5310...5-2778
Electronic Mail & Telecopier Services		W-5312...5-2784
Central Supply Warehouse Supervisor (51 Esander Drive, Toronto)	Doug Sibley	965-1286
Conferences, Hospitality Services (acting)	Dolly Gonsalvez	W-5301...5-6166

VEHICLES AND EQUIPMENT IN SERVICE

in year ending March 31, 1987

Type	Number in Operation
Subcompact Cars and Station Wagons	8
Compact Cars and Station Wagons	189
Full-size Cars and Station Wagons	54
Standard and Extended Pickups	890
Four-wheel Drive Vehicles	322
Crew Cabs	85
Passenger Vans and Personnel Carriers	159
Buses	6
Cab and Chassis - 10,000 GVW	83
Cab and Chassis - over 10,000 GVW	119
Cab and Chassis - specialized bodies	24
TOTAL	1,939
Motorcycles	49
Trailers (boat and equipment)	985
Trailers (refrigerated)	26
Snowmobiles	550
Tractors	319

NORTHWESTERN REGION

Box 5160, 810 Robertson St., Kenora Ont. P9N 3X9
Phone (807) 468-3111

D. R. Johnston.....	Regional Director
W. J. Straight.....	Deputy Reg. Director
D. R. Fortner.....	Deputy Reg. Director
G. N. McGeachy.....	Admin. Co-ordinator
D. O. Wray.....	Forester
G. K. Winterton.....	Biologist
G. N. Warner.....	Safety Officer
R. H. Hanlan.....	Planning Co-ordinator
D. M. C. Lindstrom.....	Operations & Services Co-ordinator
K. J. Chambers.....	Resource Development Co-ordinator
W. Kostantin.....	Personnel Officer

Fire Management Centre
T. Wood, Program Manager - Fire Management
Box 850, Dryden, Ontario P8N 2Z5
Phone (807) 937-4402

Dryden Tree Nursery
M. McIntyre, Nursery Supt.
Box 90, Wabigoon, Ontario P0V 2W0
Phone (807) 938-6326

KENORA DISTRICT

Box 5080, 808 Robertson St., Kenora, Ont. P9N 3X9.
Phone (807) 468-9841

G. G. Pyzer.....	District Manager
M. A. Allin.....	Administration
I. D. Mettan.....	Resource Management & Operations Supervisor
J. M. Waldrum.....	Forests
T. J. Lunny.....	Land Management
R. W. Paterick.....	Parks
J. T. Taylor.....	Fish and Wildlife

FORT FRANCES DISTRICT

922 Scott Street, Fort Frances, Ont. P9A 1J4
Phone (807) 274-5337

P. A. McDonald.....	A/District Manager
L. G. Bent.....	Administration
S. E. Cameron.....	Parks & Operations
W. R. Darby.....	Fish & Wildlife
A. P. Matiece.....	Forests
B. M. McDonald.....	A/Land Management

SIOUX LOOKOUT DISTRICT

Box 309, Sioux Lookout, Ont. P0V 2T0
Phone (807) 737-1140

J. Young.....	District Manager
W. L. Bertrand.....	Administration
H. D. Morrison.....	Operations/Parks
A. A. Martin.....	Fish & Wildlife
B. A. Ferguson.....	Forests
F. E. Brown.....	Land Management

DRYDEN DISTRICT

Box 730, Ontario Gov't. Bldg., Dryden, Ont. P8N 2Z4
Phone (807) 223-3341

G. M. Tupling.....	District Manager
G. D. Tibbles.....	A/Administration
J. A. MacDonald.....	Parks & Operations
F. D. Kennedy.....	Forests
H. Gibbard.....	Fish & Wildlife
E. M. Wires.....	Land Management

RED LAKE DISTRICT

Box 5003, Red Lake, Ont. P0V 2M0
Phone (807) 727-2253

E. W. Everley.....	District Manager
B. A. Larkin.....	Administration/Operations
D. H. Anderson.....	Fish & Wildlife
J. D. Lawson.....	Forests
P. J. Pincombe.....	A/Land Management/Parks

IGNACE DISTRICT

Box 448, Ignace, Ont. P0T 1T0
Phone (807) 934-2233

P. R. Wyatt.....	District Manager
W. A. Brunton.....	Administration
P. R. Croskery.....	Fish & Wildlife
R. D. Scott.....	Forests
J. D. Bond.....	Field Services
vacant.....	Land Management

NORTH CENTRAL REGION

Box 5000, Ontario Government Building
435 James St. South, Thunder Bay 'F' Ont. P7C 5G6
Phone (807) 475-1261

G. P. Elliott	Regional Director	
M. S. Millar	Deputy Reg. Director	
W. Hendry	Deputy Reg. Director	
N. Nurse	Admin. Co-ordinator	1221
R. T. Thomson	Biologist	1231
A. B. Johnson	Fire Mgt. Program Manager	1265
R. B. Adamson	Engineer	1301
R. F. Calvert	Forester	1251
D. J. Murray	Lands & Parks Co-ordinator	1321
M. N. Kantymir	Personnel	1201
J. E. Jackson	Planning & Communications	1495
G. Vance	Information Officer	1695

Regional Fire Centre

L. R. Hutchinson - Fire Services	Phone (807) 475-1664
R. Doyon - Fire Operations	Phone (807) 475-1405
Thunder Bay Forest Nursery, R. A. Klapprat	Phone (807) 939-2561

THUNDER BAY DISTRICT

Box 5000, Thunder Bay 'F', Ont. P7C 5G6
Phone (807) 475-1511

W. H. Therriault	District Manager
K. Perron	Administration & Engineering Services
E. R. Armstrong	Fish & Wildlife
R. D. Scott	Forests
J. W. Suttie	Lands
R. D. Klapprat	Forest Nursery

GERALDTON DISTRICT

Box 640, Geraldton, Ont. P0T 1M0
Phone (807) 854-1030

E. H. Stone	District Manager
L. S. Morrow	Administration
G. R. English	Fish & Wildlife
D. Jovic	Forests
G. K. House	Lands, Parks & Eng. Services (acting)

ATIKOKAN DISTRICT

108 Saturn Avenue, Atikokan, Ont. P0T 1C0
Phone (807) 597-6971

S. Toole.....	District Manager
R. N. Boyle.....	Field Services and Administration
B. H. Gibson.....	Fish & Wildlife
R. G. McColm.....	Forests
D. H. Elder.....	Lands & Parks

NIPIGON DISTRICT

Box 970, Nipigon, Ont. P0T 2J0
Phone (807) 887-2120

A. Currie.....	District Manager
M. Wilson.....	Administration & Operational Services
L. Townes.....	Fish & Wildlife
S. Tenaglia.....	Forests
D. Bean.....	Lands & Parks
P. Richard.....	Dorion Fish Culture Station (807) 857-2322

TERRACE BAY

Box 280, Terrace Bay, Ont. P0T 2W0
Phone (807) 825-3205

R. G. Running.....	District Manager
B. A. Prince.....	Field Services & Administration
J. A. Chappel.....	Fish & Wildlife
J. Nickleson.....	Lands & Parks

Manitouwadge Work Centre
Box 309, Manitouwadge, Ontario
P0T 2C0 Phone (807) 826-3225
R. W. Davidson..... Forests

NORTHERN REGION

Box 3000, 140 Fourth Ave., Cochrane, Ont. P0L 1C0
Phone (705) 272-4287

R. Riley.....	Regional Director
Vacant.....	Deputy Reg. Director
R. I. Thompson.....	Fin. & Admin. Co-ordinator
D. E. McHale	Deputy Reg. Director

60 Wilson Avenue, Timmins, Ont. P4N 2S7
Phone (705) 267-1401

B. A. Sandilands.....	Outdoor Recreation Co-ordinator
J. S. Dougan.....	Personnel Manager
B. Blais.....	Aviation & Fire Management Program Manager
C. Roswalka.....	Safety Manager
M. J. Williams.....	Planning/Lands/Eng. Co-ordinator
G. Oldford.....	Forester
R. J. Landry.....	Operations Manager
P. G. Mongraw.....	Systems Co-ordinator
D. G. O'Reilly.....	Information Officer

COCHRANE DISTRICT

Box 730, 2 Third Ave, Cochrane, Ont.
P0L 1C0 Phone (705) 272-4365

G. E. Martelle.....	District Manager
D. S. Miller.....	Support Services/Parks Supervisor
D. Stillar.....	Forest Management Supervisor
R. J. Jackson.....	Fish & Wildlife/Lands Supervisor

KAPUSKASING DISTRICT

6 Government Road, Kapuskasing, Ont P5N 2W4
Phone (705) 335-6191

J. R. Grayston.....	District Manager
S. A. MacFeeters.....	District Operations/Lands Supervisor
C. Jessop.....	Outdoor Recreation Supervisor
P. K. Ridwell.....	Forest Management Supervisor

CHAPLEAU DISTRICT

190 Cherry Street, Chapleau, Ont. P0M 1K0
Phone (705) 864-1710

H. D. Howell.....	District Manager
J. R. Russell.....	Operations Supervisor
P. W. Varrin.....	Fish & Wildlife Supervisor
vacant.....	Forests
J. P. Dick.....	Lands & Waters Supervisor

KIRKLAND LAKE DISTRICT

Box 129, Swastika, Ont. P0K 1T0
Phone (705) 642-3222

R. N. Kervin.....	District Manager
G. E. Allick.....	Finance and & Operations Supervisor
L. Chamberlin.....	Outdoor Recreation Supervisor
L. K. Ternent/B. I. Thompson.....	Forest Management Supervisor
J. A. Colquhoun.....	Lands Supervisor

Swastika Forest Station, K. M. Buck..... Phone (705) 642-3255
Hill's Lake Trout Rearing Station, P. Graf..... Phone (705) 544-2834

GOGAMA DISTRICT

P.O. Box 129, Low Avenue, Gogama, Ont. P0M 1W0
Phone (705) 894-2000

J. R. Chevalier.....	District Manager (705) 267-7951
J. Deem.....	Officer-in-Charge Lands/Parks Supervisor
R. Fink.....	Administration Supervisor
D. B. Elliott.....	Fish & Wildlife Management Officer/ Enforcement Supervisor
F. N. Pinto.....	Forest Management Supervisor

TIMMINS DISTRICT

896 Riverside Drive, Timmins, Ont. P4N 3W2
Phone (705) 267-7951

J. R. Chevalier.....	District Manager
V. A. Mathieu.....	Operations Supervisor.
J. Cavanaugh.....	Fish & Wildlife Supervisor
J. S. Miller.....	Forest Management Supervisor
C. R. Biggar.....	Lands & Parks Supervisor

HEARST DISTRICT

631 Front St., Hearst, Ont. P0L 1N0
Phone (705) 362-4346

J. D. Walker.....	District Manager
W. C. Trowsse.....	Administration Supervisor
L. G. Woods.....	Field Services Supervisor
S. St. Jules.....	Fish & Wildlife Supervisor
C. Mason.....	Forest Management Supervisor
M. J. Girouard.....	Lands & Parks Supervisor

MOOSONEE DISTRICT

Box 190, Moosonee, Ont. P0L 1Y0
Phone (705) 336-2987

J. Kenrick.....	District Manager
W. J. Caie.....	District Administration Supervisor
G. F. McAuley.....	Field Services Supervisor
C. Lauer.....	Outdoor Recreation Supervisor
W. A. Hutchison.....	Senior Lands Technician/ Native Liaison Officer

NORTHEASTERN REGION

199 Larch Street, 9th Floor, Sudbury, Ont. P3E 5P9
Phone (705) 675-4120

M. A. Klugman.....	Regional Director
J. E. Hamilton.....	Deputy Regional Director
F. Wilson.....	Deputy Regional Director
C. Emblin.....	Regional Forester
G. W. Evershed.....	Regional Planner
Ms K. McWhirter.....	Regional Finances and Admin. Co-ordinator
B. T. Cannon.....	Regional Lands Administrator
Mrs. M. Chambers.....	Personnel Services Co-ordinator
vacant.....	Regional Information Officer
A. W. McClellan.....	Cons. Auth. & Safety Program Supervisor
M. Healey.....	Fire Management Program Manager
W. C. Stevens.....	Regional Forester
E. A. Wright.....	Parks/Rec. Co-ordinator
P. Bewick.....	Regional Biologist
H. Walsh.....	Regional Engineer

Tarentorus Trout Rearing Station
Sault Ste. Marie
R. D. Earl - Manager..... Phone (705) 949-1235

North Bay Trout Rearing Station
M. Bohm - Manager..... Phone (705) 663-2311

Sandfield Fish Hatchery
Espanola
G. Clarke - Manager..... Phone (705) 859-3370

Kirkwood Nursery,..... Phone (705) 842-3914
G. W. Connell - Superintendent

SAULT STE. MARIE DISTRICT

Box 130, 875 Queen St., Sault Ste. Marie, Ont. P6A 5L5
Phone (705) 949-1231

J. F. Christian.....	District Manager
H. J. Smith.....	Administration Supervisor
C. Greenwood.....	Fish & Wildlife Supervisor
B. Smith.....	Forests Mgt. Supervisor
I. J. Valentine.....	Lands & Parks Supervisor
E. Vaughan.....	Engineering Services Supervisor

SUDBURY DISTRICT

Box 3500, Stn. A, Sudbury, Ont. P3A 4S2
Phone (705) 522-7823

J. A. Simpson.....	District Manager
M. H. Jackson.....	District Administration Supervisor
G. J. Haarmeyer.....	Fish & Wildlife Supervisor
D. R. Potvin.....	Forests Management Supervisor
M. K. Smith.....	Lands Supervisor
D. H. Brunette.....	Parks Supervisor

NORTH BAY DISTRICT

Box 3070, R.R. #3, Hwy. 63
North Bay, Ont. P1B 8K7
Phone (705) 474-5550

J. R. Morin.....	District Manager
G. E. Lacelle.....	District Admin. Supervisor
M. R. Wolfe.....	Fish & Wildlife Supervisor
D. E. Honeyborne.....	Forests Management Supervisor
R. V. Coulombe.....	Lands Management Supervisor
F. C. Shaver.....	Parks Supervisor

BLIND RIVER DISTRICT

Box 190, 62 Queen St., Blind River, Ont. P0R 1B0
Phone (705) 356-2234

B. Lannin.....	District Manager
F. McWhinnie.....	Administration Supervisor
S. B. Woodside.....	Fish & Wildlife Supervisor
C. F. Husk.....	Forests Management Supervisor
R. H. Wood.....	Lands Supervisor

WAWA DISTRICT

Box 1160, 22 Mission Road, Wawa, Ont. P0S 1K0
Phone (705) 856-2396

T. J. Rudolph.....	District Manager
Mrs. J. M. Kern.....	District Admin. Supervisor
E. Armstrong.....	Fish & Wildlife Supervisor
vacant.....	Forests Management Supervisor
E. V. Uhler.....	Lands Supervisor
A. L. Robinson.....	Parks Supervisor

ESPANOLA DISTRICT

Box 1340, 148 Fleming St., Espanola, Ont. P0P 1C0
Phone (705) 869-1330

E. N. Arbuckle.....	District Manager
Mrs S. Catling.....	District Admin. Supervisor
D. R. Hughson.....	Outdoor Recreation Supervisor
H. A. Liljalehto.....	Forests Management Supervisor
D. C. Carnochan.....	Lands Management Supervisor

TEMAGAMI DISTRICT

Box 38, Lakeshore Dr., Temagami, Ont. P0H 2H0
Phone (705) 569-3622

R. Griffiths.....	District Manager
C. M. Hamilton.....	District Admin. Supervisor
B. A. Hillier.....	Forests Management Supervisor
R. B. Sinclair.....	Lands Supervisor
M. France-Bernier.....	Outdoor Recreation Supervisor

ALGONQUIN REGION

Box 9000, Brendale Square, Huntsville, Ont. P0A 1K0
Phone (705) 789-9611

vacant.....	Regional Director
J. H. Lever.....	Deputy Reg. Director
L. L. Powell.....	A/Admin. Co-ordinator
P. A. Smith.....	Regional Biologist
A. P. Stephen.....	Regional Engineer
B. Petman.....	Program Manager - Fire Management
T. E. Dodds.....	Regional Forester
J. A. van der Meer.....	Lands Co-ordinator
G. M. Moroz.....	Parks & Recreation Co-ordinator
R. P. Dubien.....	Systems Analyst

Pembroke Trout Rearing Station
(Privatized - Envirocon Ltd.).... Phone (613) 687-5935

Skeleton Lake Fish Hatchery
C. Core..... Phone (705) 769-3731

Haliburton-Hastings Fisheries
Assessment Unit..... Phone (613) 332-3940

Algonquin Park Fisheries
Assessment Unit..... Phone (705) 637-2780

Fire Management - Inside Fire Region
Fire Operations Managers

J. McCabe.....	Parry Sound.....	(705) 746-4201
T. Russell....	Minden.....	(705) 475-2107
B. Gagnon.....	Pembroke.....	(613) 732-3661
P. Gallagher..	Tweed.....	(613) 478-2330

PARRY SOUND DISTRICT

4 Miller St, Parry Sound, Ont. P2A 1S8
Phone (705) 746-4201

W. J. Lovering.....	District Manager
F. Buchan.....	Administration & Support Services
J. F. Gardner.....	Fish & Wildlife
G. C. Felton.....	Forests
L. W. Eaton.....	Parks
L. A. Connelly.....	Lands & Waters

BANCROFT DISTRICT

Box 500, Bancroft, Ont. K0L 1C0
Phone (613) 332-3940

J. A. vander Meer (acting).....	District Manager
D. H. Loftus.....	Support Services
V. B. Collins.....	Fish & Wildlife
F. J. Walker.....	Forests
D. W. McLennan.....	Petroglyphs Park
O. J. Fleming.....	Lands & Parks Supervisor

ALGONQUIN PARK DISTRICT

Box 219, Whitney, Ont. K0J 2M0
Phone(705) 637-2780

C. I. Goddard.....	Park Superintendent/District Manager
E. A. Dayment.....	Administration
D. F. George.....	Forests
G. E. Cox.....	Outdoor Recreation
B. A. Norris.....	Field Services & Lands

PEMBROKE DISTRICT

Box 220, Riverside Drive, Pembroke, Ont. K8A 6X4
Phone (613) 732-3661

L. J. Haas.....	District Manager
A. H. Plummer.....	Administration Supervisor
A. E. Armstrong.....	Fish & Wildlife
R. C. A. Gilbert.....	Forests
G. D. Yarranton.....	Lands
G. D. Yarranton.....	A/Parks

BRACEBRIDGE DISTRICT

Box 1138, Bracebridge, Ont. P0B 1C0
Phone (705) 645-8747

H. P. Endress.....	District Manager
J. A. Hamilton.....	Administration & Support Services
E. R. Thomas.....	Fish & Wildlife
G. K. Schultz.....	Forests
J. A. Bryant.....	Lands
R. G. Ellis.....	Parks

MINDEN DISTRICT

Minden, Ont. K0M 2K0
Phone (705) 286-1521

D. D. White.....	District Manager
R. E. Raby.....	Administration & Support Services
S. T. Flemming.....	Fish & Wildlife
B. G. Cross.....	Forests
J. E. Dewey.....	Lands, Parks & Services

THE LESLIE M. FROST NATURAL RESOURCES CENTRE

Dorset, Ont. P0A 1E0
Phone (705) 766-2451

D. D. White.....	Director
R. W. Stewart.....	Plan & Management Superintendent
vacant.....	Operations Superintendent
E. F. Cyr.....	Field Operations Supervisor
T. G. Wright.....	Food Services
H. J. Barnhart.....	Maintenance Foreman

Specialists:

vacant.....	Forestry
M. E. Buss.....	Fish & Wildlife
C. K. Macdonald.....	Recreation
vacant.....	Lands
S. A. Williams.....	Visitor Services

EASTERN REGION

Provincial Government Building,
Concession Road, Kemptville, Ont. K0G 1J0
Phone (613) 258-3413

J. R. Oatway.....	Regional Director
D. E. Gage.....	Deputy Reg. Director, Resources
J. S. Anderson.....	Deputy Reg. Director, Services
J. R. Bailey.....	Administration Co-ordinator
J. C. Williamson.....	Biologist
J. D. Murray.....	Lands & Cons. Auth. Program Supervisor
W. P. Barber.....	Parks & Recreation Co-ordinator
J. R. Stork.....	Engineer
T. W. Fletcher.....	Mines Co-ordinator
P. E. Anslow.....	Forester
D. G. Kennedy.....	Fire Management Co-ordinator

Codrington Fish Hatchery
G. E. Raine..... Phone (613) 475-2512

White Lake Fish Hatchery
K. Steele..... Phone (613) 335-2115

Westport Fish Hatchery
K. Steele..... Phone (613) 273-2106

G. Howard Ferguson Forest Station
A. J. Campbell..... Phone (613) 258-3413

TWEED DISTRICT

Metcalfe Street, Tweed, Ont. K0K 3J0
Phone (613) 478-2330

A. J. Denys.....	District Manager
G. J. O'Hearn.....	Administration & Field Services
K. E. Green.....	Lands
T. C. Corbett.....	Outdoor Recreation
W. G. Haghorg.....	Forests

NAPANEE DISTRICT

1 Richmond Blvd., Napanee, Ont. K7R 3S3
Phone (613) 354-2173

vacant.....	District Manager
R. A. Armstrong.....	Finance, Administration & Field Services
R. W. Baldwin.....	Fish & Wildlife
S. Thatcher.....	Lands & Mineral Resources
J. C. Matheson.....	Parks

BROCKVILLE DISTRICT

Box 605, Oxford Ave., Brockville, Ont. K6V 5Y8
Phone (613) 342-8524

W. V. Hardy.....	District Manager
D. G. Gilmer.....	Finance, Administration & Field Services
G. L. Penney.....	Fish & Wildlife
W. M. Fasken.....	Forests
G. Tabobondune.....	Lands & Mineral Resources
B. A. Barkley.....	Fast Growing Hardwoods Group

CARLETON PLACE DISTRICT

10 Findlay Ave., Carleton Place, Ont. K7C 3Z6
Phone (613) 257-5735

J. H. Sellers.....	District Manager
G. N. Sanderson.....	Finance, Administration & Field Services
J. D. McCready.....	Forests
R. N. Jones.....	Fish & Wildlife
R. M. Rogers.....	Lands & Mineral Resources
K. J. Schonauer.....	Parks

CORNWALL DISTRICT

113 Amelia St. Cornwall, Ont. K6H 5V7
Phone (613) 933-1774

R. J. Cleroux.....	District Manager
W. J. Humphrys.....	Finance, Administration & Field Services
E. McGregor.....	Fish & Wildlife
B. W. Warwick.....	Forest Management
B. W. McCue.....	Lands & Mineral Resources

CENTRAL REGION

10670 Yonge St., Richmond Hill, Ont. L4C 3C9
Phone (416) 884-9203

A. S. Holder	Regional Director	883-3256
A. D. Latornell	Deputy Reg. Director	883-3258
H. Tjoelker	Deputy Reg. Director	883-3255
R. M. Clouthier	Support Services Co-ordinator	883-3201
J. B. Dawson	Biologist	883-3227
J. J. McFadden	Cons. Auth. Co-ordinator	883-3262
E. L. Borczon	Forester	883-3254
M. Narain	Geologist	883-3214
T. M. Kurtz	Engineer	883-3279
B. van Staalduinen	Parks & Recreation Co-ordinator	883-3240
M. A. Groneng	Lands & Mines Co-ordinator	883-3216
D. P. Kolenosky	Systems Co-ordinator	883-3200
R. F. Kennedy	Personnel Officer	883-3250
K. G. Higgs	Niagara Escarpment Co-ordinator	883-3220

Midhurst Forest Station, Midhurst
K. H. Reese ..... Phone (705) 728-2900

Orono Forest Station, Orono
G. R. McLeod ..... Phone (416) 983-9147

Ontario Tree Seed Plant, Angus
B. D. Swaile ..... Phone (705) 424-5311

Deer Lake Fish Hatchery, R.R.#1, Havelock
G. T. Cation ..... Phone (705) 778-3391

Ringwood Fish Hatchery
B. A. Marchant ..... Phone (416) 640-6204

MAPLE DISTRICT

Maple, Ont. L0J 1E0
Phone (416) 832-2761

I. B. Earl	District Manager	203
W. B. Pottelberg	Support Services	300
R. L. Desjardine	Outdoor Recreation	211
Si Dae Kim	Forests	224
J. Cameron	Lands & Mineral Resources	208

LINDSAY DISTRICT

322 Kent St. West, Lindsay, Ont. K9V 4T7
Phone (705) 324-6121

P. A. Strassburger.....	District Manager
A. V. Kaufman.....	Support Services
P. Drysdale.....	Fish & Wildlife
G. Higham.....	Forests
L. C. Selby.....	Lands & Minerals
G. Scott.....	Parks

HURONIA DISTRICT

Midhurst, Ont. L0L 1X0
Phone (705) 728-2900

W. D. Mansell.....	District Manager
D. H. Poff.....	Support Services
A. W. Smith.....	Fish & Wildlife
vacant.....	Forests
D. R. MacArthur.....	Services
J. R. Winters.....	Parks

CAMBRIDGE DISTRICT

Box 2186, Cambridge, Ont. N3C 2W1
Phone (519) 658-9355

D. P. Kolenosky.....	A/District Manager
B. J. DeGunst.....	Support Services
C. Selby.....	Fish & Wildlife
S. Yorgan.....	Forest Management
B. L. Houck.....	Parks
D. A. Routly.....	Lands & Minerals

NIAGARA DISTRICT

Box 1070, Hwy. 20, Fonthill, Ont. L0S 1E0
Phone (416) 892-2656

A. Harjula.....	District Manager
A. J. Vos.....	Support Services
E. A. Kraker.....	Forests
G. Mulder.....	Outdoor Recreation
J. Z. Fraser.....	Lands & Minerals

SOUTHWESTERN REGION

659 Exeter Rd., Box 5463, London, Ont. N6A 4L6

Regional Director.....	D. J. Johnstone.....	(519) 661-2743
Deputy Reg. Director.....	R. W. Beecher.....	(519) 661-2735
Deputy Reg. Director.....	R. G. Elliott.....	(519) 661-2734
Secretary.....	J. M. Nagle.....	(519) 661-2775
General Inquiry.....	.....	(519) 661-2800
EOS (Electronic Office Service).	.....	MNR-800

Co-ordinators

Finance and Administration.....	B. G. Griffin.....	(519) 661-2752
Fisheries.....	R. E. Loblaw N. W. Smith.....	(519) 661-2747
Conservation Authorities.....	R. W. Messervey.....	(519) 661-2736
Forestry and Wildlife.....	J. A. Fingland.....	(519) 661-2741
Parks and Recreation.....	P. H. Sturdy.....	(519) 661-2742
Enforcement.....	R. P. Wells.....	(519) 661-2740
Personnel.....	D. C. Watt.....	(519) 661-2733
Mineral Resources.....	P. A. Palonen.....	(519) 661-2711
Engineering.....	P. H. Crook.....	(519) 661-2722
Communications.....	J. N. Cooper.....	(519) 661-2730
Planning.....	I. C. Seddon.....	(519) 661-2727
Petroleum Resources Laboratory...	.....	(519) 661-2796

CHATHAM DISTRICT

Box 1168, 435 Grand Avenue, Chatham, Ont. N7M 5L8
Phone (519) 354-7340

W. L. McNab.....	District Manager
B. Hall.....	Support Services
K. Yaraskavitch.....	Resource Planning
A. D. Carr.....	Operations
H. W. Rowe.....	Extension Services
H. Manson.....	Station Manager Lake Erie Fisheries Unit

SIMCOE DISTRICT

548 Queensway West, Simcoe, Ont. N3Y 4T2
Phone (519) 426-7650

M. F. McKenzie.....	District Manager
A. McGarrity.....	Support Services
J. M. Collins.....	Resource Planning
R. Manley.....	Operations
W. L. Edwards.....	Extension Services

OWEN SOUND DISTRICT

611 Ninth Avenue East, Owen Sound, Ont. N4K 3E4
Phone (519) 376-3860

R. W. Tippett.....	District Manager
M. Gobeil.....	Support Services
S. A. Monroe.....	Lake Huron Fishery Operations Co-ordinator
W. J. Lambie.....	Resource Planning
P. H. Baxter.....	Operations
K. Hawthorne.....	Extension Services
E. G. Walker.....	Reg. Fire Co-ordinator

WINGHAM DISTRICT

R.R. #5, Wingham, Ont. N0G 2W0
Phone (519) 357-3131

H. A. Orr.....	A/District Manager
O. E. Crawford.....	Support Services
W. A. Creighton.....	Resource Planning
H. R. Lancaster.....	Operations
R. H. Spurr.....	Extension Services

AYLMER DISTRICT

353 Talbot St. W., Aylmer, Ont. N5H 2S8
Phone (519) 773-9241

D. G. Watton.....	District Manager
D. L. Clarke.....	Support Services
G. R. Austin.....	Operations
S. Kerr.....	Resource Planning
D. G. Ward.....	Extension Services
J. W. E. Lau.....	Mineral Resources